Enumeration of Juvenile and Adult Coho Salmon at Black Creek, Vancouver Island, 2009

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ENUMERATION OF JUVENILE AND ADULT COHO SALMON AT BLACK CREEK, VANCOUVER ISLAND, 2009

by

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ABSTRACT

Campbell, K., Van Will, P., Stiff, H.W., Nagtegaal, D., Miyagi, E., and Duncan, K. 2012. Enumeration of juvenile and adult Coho salmon at Black Creek, Vancouver Island, 2009. Can. Manuscr. Rep. Fish. Aquat. Sci. 2984: viii + 185 p.

The counting fence on Black Creek was operated between April 6th and June 9th, 2009, to enumerate and tag Coho smolt out-migration. During the spring program, a total 68,448 smolts were captured, and sampled, of which 19,109 (28%) were successfully coded-wire tagged and released. A total of 19,016 smolts were estimated as effectively tagged after applying the short term tag loss rate of 0.65%. The out-migration was 96% age 1 smolts and 4% age 2s. The adult fence was operated from October 16th to November 16th, and spawn surveys were conducted from November 10th to December 7th. A total of 2,584 large adults (male to female ratio of 1:1.5) were enumerated, and 2,390 (~93%) were tagged for mark-recovery escapement estimation. 732 jacks were enumerated. CWTs were detected in 202 adults and 8 jacks, indicating a low (~8.5%) detection rate. The single-census Petersen mark-recapture population estimate for adult Coho was 3758±136 fish. The mode of the Bayesian population estimate for adult Coho escapement was 3,536, with a 95% highest probability density of 3343 – 3,788. Exploitation rate was assumed to be equivalent to the aggregated estimate derived elsewhere for Vancouver Island Georgia Strait Coho: 3.8%. Marine survival was estimated to be 3.73% for Black Creek adult Coho, a substantial increase from 2008 (0.76%) which was the lowest on record.

RESUMÉ

Campbell, K., Van Will, P., Stiff, H.W., Nagtegaal, D., Miyagi, E., and Duncan, K. 2012. Enumeration of juvenile and adult Coho salmon at Black Creek, Vancouver Island, 2009. Can. Manuscr. Rep. Fish. Aquat. Sci. 2984: viii + 185 p.

La barrière de dénombrement du ruisseau Black a été utilisée du 6 avril au 9 juin 2009 pour dénombrer et marquer des smolts de saumons cohos en dévalaison. Au total, 68 448 smolts ont été capturés durant le programme d'échantillonnage de printemps, dont 19 109 (28 %) ont été munis d'une micromarque magnétisée codée avant d'être relâchés. Une fois le taux de perte d'étiquettes à court terme de 0,65 % appliqué, on estime a 19 016 le nombre total de smolts étiquetés avec succès. La dévalaison était de 96 % chez les smolts d'âge 1 et de 4 % chez les smolts d'âge 2. La barrière de dénombrement des adultes a été utilisée du 16 octobre au 16 novembre, et des relevés des pontes ont été effectués du 10 novembre au 7 décembre. Au total, 2 584 saumons adultes de grande taille (rapport des sexes de 1 mâle:1,5 femelle) ont été dénombrés, dont 2 390 (~93 %) ont été marqués aux fins d'estimation de l'échappée par marquage-recapture. On a également dénombré 732 mâles précoces. Le repérage de 202 adultes et de 8 mâles précoces munis d'une micromarque magnétisée codée indique un faible taux de détection (~8,5 %). L'estimation du nombre de cohos adultes par recensement unique (méthode Peterson) par marquage-recapture était de 3 758 ± 136 poissons. Le mode de l'estimation bayésienne de l'échappée pour les cohos adultes était de 3 536, et la densité de la probabilité la plus élevée de 95 % était de 3 343 à 3 788. Le taux d'exploitation était présumé équivalent à l'estimation globale dérivée d'un autre endroit pour les saumons cohos provenant du détroit de Georgia (île de Vancouver), c'est-à-dire 3,8 %. Le taux de survie en mer des saumons cohos provenant du ruisseau Black a été estimé à 3,73 %, ce qui représente une hausse considérable par rapport à 2008 (0,76 %), qui était le plus faible taux enregistré à ce jour.

INTRODUCTION

This report documents the 2009 smolt and adult enumeration programs for Coho salmon (*Oncorhynchus kisutch*) at the Black Creek fence. Both enumeration programs are based on sampling conducted at the permanent fence site located 100 m upstream of tidal influence, about 40 m downstream from Seaview Road in Miracle Beach Provincial Park. A series of projects have been conducted sporadically at this location since 1968 (Baillie, Simpson & Taylor 2004) and an uninterrupted data set has been compiled, under the present program, since 1984. In addition to Coho, Black Creek supports populations of coastal cutthroat trout (*O. clarki*), and rainbow trout (*O. mykiss*).

The spring program is designed to assess the out-migration of Coho smolts with respect to numbers, size and age composition, and migration timing. Coded-wire tags (CWTs) are implanted in smolts during specific periods throughout the migration.

Adult Coho returning in the fall are counted at the same location utilizing a modified fence configuration. The general structure has been described by Baillie et al. (2004). Modifications were made in 2001, replacing the steel panels with aluminum grates and extending the cat-walk for a further 1.5 m beyond the downstream edge of the concrete sill. The traps were also modified to incorporate an adjustable height exit at the upstream end, through which fish could be counted into the system during flooding, eliminating the necessity to net each one. Each exit features a right-angle aluminum plate, leading upstream, to increase the visibility of fish and counting accuracy under turbid flows. In 2003, the fence center panels were cut in half lengthways and Teflon runners were attached along the contact edge with the A-frame, to facilitate removal during high water events.

Coho salmon counted through the fence are enumerated by sex, and sampled for length, age and maturity. Carcasses encountered are sampled and heads are recovered from coded-wire tagged fish. Since 1984, mark-recapture has been the primary method of escapement estimation, with marking conducted at the fence and recovery surveys conducted at up to 15 upstream sites.

Recoveries of coded wire tagged Coho in the escapement are used with catch recoveries and release data to estimate ocean survival and exploitation rates. The utility of the data depends on long-term monitoring of escapements, smolt abundances, survivals, catches, exploitations and escapements. Data from the project, along with other sources, is used to predict Coho returns, ocean survival and migration patterns for the south coast of British Columbia.

STUDY AREA

Black Creek is a moderately sized coastal stream located 30 km north of Courtenay, on the east coast of Vancouver Island. It is approximately 31 km long and flows into the Strait of Georgia at Elma Bay (Figure 1). The watershed area is approximately 81 km^2 (Brown, Barton & Langford 1996) and predominantly comprised of agricultural lands with forested areas in the upper catchment. Lower in the watershed, small lakes, of which Northy Lake is the largest, beaver ponds, and swampy areas are distributed among the stream reaches (**Figure 2**). These areas contribute to the characteristic humic stained flows in the lower sections via a number of tributaries, the largest being Millar Creek. Discharge is largely dependent on rainfall; irrigation and drainage projects have reduced already low summer flows in Black Creek, such that, in summer, some sections of the creek are dry. In contrast, fall freshets can result in a discharge of up to 60 m^3/s (Labelle 1990). Once the storage capacity of the watershed is reached, the creek responds rapidly to rainfall, and prolonged flood events tend to be the norm.

METHODS

PHYSICAL OBSERVATIONS

General weather observations were made daily and recorded as subjective comments on rainfall, cloud cover and wind strength. Measurements of river height were normally made each day at about 8:00 a.m. Water level was recorded from a staff gauge (± 5 mm) located approximately 250 m upstream of the fence. Minimum, mean, and maximum daily water temperature were calculated based on hourly samples downloaded from a Tidbit temperature datalogger (No. 879280) installed upstream of the fence site.

SMOLT OPERATIONS

The basic sampling and tagging procedures resembled other years of the program. Weekly duties were divided into two days coded-wire tagging and five days enumerating only. The trap was installed on April 6th and maintained until June 9th. Catches from the previous day were removed from the holding boxes at about 8:00 am and sorted into buckets, by species. All sampling and tagging was performed on anaesthetized smolts using tricaine methane sulphonate (MS-222) as the anaesthetic.

Random length samples were collected by measuring, approximately, every 10th Coho smolt on days when coded wire tags (CWTs) were applied. The length-weight relationship for Coho smolts was derived based on the power function:

Equation 1 $W = a \cdot L^b$

where W = weight in grams and L is fork length in millimeters. Condition factor (K) was calculated for each smolt as a measure of the fish's degree of well-being or robustness (Williams 2000), as:

Equation 2 $K = 100{,}000\ W / L^3$

Data collection to determine the age structure of the population was divided into four periods: April 7th to May 12th, May 13th to May 25th, May26th to June 7th. During each sample period a scale smear was taken from up to 10 Coho smolts per 5 mm length group. Age determinations were performed by the Fish Ageing Unit at the Pacific Biological Station in Nanaimo, BC. The age composition of smolts was calculated for each of the four sampling periods after Ketchen's stratified sub-sampling method (Ricker 1975).

Smolts were injected with a CWT, which was applied with either a MK II or a MK IV Tagging Unit (Northwest Marine Technologies, Shaw Island, WA 98286). Tagged Coho were placed into a floating holding box to recover from the operation, and released periodically through the day. Untagged Coho (no tag detection by hand-held wand) were re-tagged. Moribund fish were released untagged. Four short-term tag retention tests were conducted (May 1st, 5th, 21st and 28th) to estimate the number of CWT'd Coho smolts that lost their tag in the first 24 hours.

While Coho fry (which are not consistently captured by the screen size used in traps and panels) and other salmonids were enumerated at the counting fence, meristics data were not collected this year. Non-salmonids were enumerated by species.

ADULT OPERATIONS

Adult Enumeration and Sampling

The counting fence was installed on October 15th and operational until closure on November 17th.

The fence traps were inspected at 8 a.m., and periodically through the day as warranted by fish movement. Individual fish were netted from the trap and sampled for fork length (± 5 mm), sex (female, adult male or jack) and the presence of fin clips or external marks, including hook scars and severe injuries. Weights were not recorded. The presence of a CWT in fin-clipped Coho was verified with a Northwest Marine Technology wand tag detector. Fish condition was assessed using the subjective categories of:

1. Silver (no spawning colour or characteristic morphological changes commonly associated with spawning Coho);
2. Green (some darkening of body colour but little morphological change);
3. Mature (colour and morphological characteristics of a spawning Coho but eggs or sperm not easily expelled); and
4. Ripe (similar to a mature fish, except, eggs and sperm readily expelled with little or no force).

Jack Coho were defined as those male fish with a fork length of less than 44 cm, although this category may include some small adults. Weights were not measured in 2009. Other salmonid species encountered at the fence were identified.

Mark-Recapture

Adult Coho were tagged with a numbered, clear T-bar anchor tag (TBA-2, 2 in., Hallmark Pty Ltd., South Australia, 5211). Tags were inserted into the dorsal musculature on the left side of the dorsal fin, between the anterior pterygiophores. A 7 mm hole was punched in the left operculum of each tagged fish. Short-term tag mortality was assessed by retaining five tagged adults in the adult trap box for 24 hours.

Recoveries of marked and unmarked Coho were conducted throughout 8 reaches (Figure 2) during spawning ground surveys between November 10th and December 7th. All fish encountered were checked for marks. Recoveries were classified as untagged, tagged (T-bar tag), or lost tag (opercular punch but no tag). Tag numbers were noted, as were other marks such as adipose clips present or unknown due to the condition of the fish. The heads from carcasses that gave a positive response when tested for the presence of a CWT were preserved for analysis.

DATA ANALYSIS

Escapement Estimation

Coho escapement population estimates *N* and variance were derived from single-census Petersen mark-recapture methods (Ricker 1975), using both the bias-corrected hypergeometric estimator and the direct binomial estimator for small samples without replacement. The former was calculated as:

Equation 3 $N = ((M+1) * (C+1) / (R+1)) - 1$

Where *M* is the number of marks applied, *C* is the number of fish recovered, and *R* is the number of marks in the total fish recovered. The variance of this estimate was calculated from:

Equation 4 $\mathrm{Var}(N) = (M+1) * (C+1) * (M-R) * (C-R) / ((R+1)^2 * (R+2))$

The binomial estimator can be calculated as:

Equation 5 $N = ((M * (C+1) / (R+1))$

with variance:

Equation 6 $\mathrm{Var}(N) = M^2 * (C+1) * (C-R) / ((R+1)^2 * (R+2))$

Additional estimates for Coho adults and adults + jacks populations were derived from temporal sub-sets of the mark-recapture data using the sequential Bayesian approach (Gazey & Staley 1986). This method has been used in a majority of previous studies to account for under-reporting of tags in visual surveys and to eliminate tag loss corrections (Taylor, Baillie & Simpson 2006). It determines the posterior distribution of probabilities associated with population size from the joint probabilities of mark recovery rates. Calculated population parameters include the mode, a maximum likelihood estimate of the sampling distribution, and the 95% highest probability density (HPD). It should be noted that, while the HPD has equivalence to a confidence interval, it forms a direct probability statement about population size (Gazey & Staley 1986). The mode is reported as a single value which denotes that each integer between the population bounds has been evaluated.

Exploitation Rate

The percent exploitation rate (*ER*) of adult Black Creek Coho is calculated as:

Equation 7 $ER = 100\, C / (C + M + E)$

where *C* is the estimated fishing mortality, *M* is the known pre-spawn natural mortality, and *E* is the adult escapement.

Marine Survival

Percent marine survival rate (S), is calculated as:

Equation 8 $$S = 100\,(C + M + E)\,/\,R$$

where C is the estimated fishing mortality, M is the pre-spawn natural mortalities, E is the tagged adult escapement, and R is the number of tagged smolts in 2008, corrected for long-term tag loss.

RESULTS

Juvenile Enumeration

Environmental Conditions

The smolt fence was operational from April 6th to June 9th, 2009. Through April the water level generally diminished until it increased during the period of May 5th to May 8th up to 87 cm. The water level then continued to diminish through the peak smolt migration period in May, averaging about 67± 9.5 cm in depth (Figure 3).

Daily air temperature averaged 13.5°C ± 2.8°C (range 8.0°C to 20.0°C) during the smolt migration period (**Table 1**, **Appendix A**). Mean daily water temperature was 10.4 ± 2.3°C (range 6.0°C to 16.3°C).

Fence Counts

Smolt out-migration began in earnest in early May, with peak daily migration occurring on May 19th (4,700 smolts). 70% of the smolt migration occurred between May 10th and May 27th (**Figure 4**) with an average of 2,650 per day (**Appendix B**)[1]. A total of 68,448 Coho smolts were enumerated. 108 Coho fry were also enumerated.

Smolt Aging

450 smolts were scale-sampled for aging, including 100 in Period 1, 225 in Period 2, and 125 in Period 3 (**Appendix** DD). Of the 380 fully-aged scales, 96.3% were from brood year 2007 (age 1.0) and 3.7% were from brood year 2006 (age 2.0) (Table 2). For 56 partially-aged scales, the marine annulus was undetectable, and of 14 unreadable scales, 13 were due to the scales mounted upside down (**Table 3**).

As usual for Black Creek, Age 1.0 (2_2 Gilbert-Rich) smolts predominated throughout the out-migration period, age 2.0 were considerably low from the previous year (2008) where age 2.0 (3_3 Gilbert-Rich) contributed 25% of the fully aged fish. However, the incidence of partially aged M.0's accounted for up to 15% of scales in all periods, which might obscure the actual contribution of age 2.0's (Table 4).

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[1] Daily counts of non-Coho species through the smolt fence are listed in **Appendix C**. Coastal cutthroat trout (*O. clarki*) numbered 1768 adults and 6 juveniles. 4 rainbow trout (*O. mykiss*) was identified (Appendix C). Pacific lamprey (*Lampetra tridentatus*) were less numerous than other years with only 21 enumerated at the fence, as well as 113 sculpins (*Cottus asper or C. aleuticus*).

Smolt Size

A total of 2,624 smolts were measured for fork length and fresh weight (**Appendix E**). Length frequency data indicate a right skewed modal peak at 90-104. The right tail is due to the small amount of age 2.0 fish (Table 6, Figure 5).

Mean Coho smolt fork length for all periods was 102.3 ± 13.5 mm (range 70 – 210 mm) (Table 7). Mean smolt weight was 6.29 ± 3.38 g (range 1.4 – 84 g). Average length of smolts declined from Period 1 to Period 3, from 110.7 ± 14.6 mm to 96.2 ± 11.6 mm, as did average weight (Table 7). Periods 1 and 3 had the best average condition factor (0.56); however, some of the largest fish and the best condition factor ($K \approx 2.20\text{-}2.92$) occurred in Period 2 on May 13 (**Appendix E**).

The length/weight relationship (Figure 6) for measured Coho smolts was:

$$\textit{Weight}\ (\mathrm{g}) = 0.000019 * \textit{Length}\ (\mathrm{mm})^{2.7364}; \quad (r^2=0.81,\ n=2624)$$

CWT Tagging

Coded-wire tagging procedures resulted in a total of 19,099 successfully coded-wire tagged smolts, representing 28% of the out-migration (Table 8).

Pre-sample mortalities (50 fish) affected <0.1% of the total catch. There were 18 tagging mortalities, representing <0.03% of the tagged fish (Table 8).

The short-term 24-hour tag loss rate was estimated at 0.65%, based on four retention tests in which 7 of 1,070 tagged smolts that did not retain their CWTs (Table 8). Factoring the number of CWT'd smolts by the short-term tag loss percentage resulted in 19,016 effectively tagged smolts.

Adult Enumeration

Environmental Conditions

The adult counting fence was installed and operational from October 16th to November 16th (**Appendix F**). The adult Coho migration was punctuated by 3 peak migration events. The first peak occurred on October 17th at the beginning of the program. Water levels at this time were 80cm. Black Creek water level then continued to drop and remain below 80 cm (mean 72) until October 28th. The second peak migration occurred October 31st (562 fish) which was consistent with high water flow from October 29th to November 2nd (mean 92 cm). The third peak migration (204 fish) occurred during increasing levels on November 6th. The water level increased steadily from November 5th (82 cm) to November 10th (160 cm) when the water level gauge was washed away due to flooding (Figure 7). During flooding events, water flow breached the enumeration fence. The amount of adult migrants dropped dramatically until the end of operation on November 17th. However, it is uncertain how many Coho may have migrated upstream during this time due to flood.

Spot air temperatures varied from 18 to 1°C (mean 7.5°C), though spot water temperatures remained above 4°C, and averaged about 8.0°C during the migratory period (Figure 7).

Biological Sampling

A total of 3,316 Coho consisting of 2,584 adults and 732 jacks were counted. A total of 2,392 adults were sampled and marked at the fence between October 16 and November 16 (Table 9).

Fish Condition

The majority of Coho returns that were assessed were green (31%) or mature (32%), followed by "silver" (5%) (

Table 10). Only one "ripe" fish was identified at the fence. Fish that had unknown maturity condition made up 31% of which 49% were jacks, 40% were females and 11% were males.

Sex Composition

The tally of 966 males (40%) and 1,440 females (60%) yielded a male-to-female sex ratio of 1:1.5 at the fence (Table 10).

Age Composition

A total of 239 Coho were sampled for scales at the counting fence (Table 11). Of that number, only 122 were successfully aged. 92% of aged fish were 1.1 (Gilbert age 3_2) from brood year 2006, and 8% were age 2.1 (Gilbert age 4_3) from brood 2005. For 99 scales the freshwater annulus could not be distinguished and all fish were classified as M1 (1 marine annulus). Of 18 unreadable scales, 6 were placed upside down.

Age and Sex Composition

All 122 successfully aged fish were sexed. Age 1.1 females and males comprised of 52% and 40% of the samples, respectively (Table 12). Age 2.1 fish represented only 8%.

Size Distribution[2]

The modal length frequency for adult Coho migrants was in the range of 66-70 cm for females, 71-75 cm for males, and 31-35 cm for jacks (Table 13). The mean length for adult males (69.92) was not significantly larger than for females (68.09) ($P > 0.05$); jack Coho average 34.82cm (Table 14). Due to the large percentage of returning jacks, the length frequency distribution is bimodal (Figure 9).

Size at Age

Size of the age fished showed that Female age 1.1 fish and age 2.1 fish were both about 68 cm in fork length (Table 15). Male aged 1.1 and 2.1 fish were also very similar with fork lengths near 70 cm.

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[2] Returning Coho weights were not recorded in 2009.

Coded Wire Tags

Of 3,316 Coho counted at the fence, 2,459 were checked for presence of CWT, including 2,312 adults and 147 jacks (Table 16). Coded wire tags were positively located in 202 large adults (120 females, 81 males, and 1 unsexed) and 8 jacks. In total, CWTs were detected in 8.5% of all fish examined and in 8.7% of adults examined.

Mark-Recapture

Of the observed 3,316 Coho migrants, 2,392 were tagged with a T-bar anchor tag, combined with a left opercular punch (Table 17). The 2,392 tagged Coho included 2,390 large adults (1,443 females, 943 males, and 4 unsexed) and 2 jacks. There were no immediate mortalities due to capture, handling, or tagging, and no 24-hour delayed mortalities. Thus tag mortality was assumed negligible.

Recoveries of marked and unmarked Coho were conducted at 8 stream reaches between November 10th and December 7th (Table 18, Table 19). Total carcasses recovered (392) represented 12% of the fence count. The male: female sex ratio obtained from pooled spawning ground Coho recoveries was 1:1.1. As in previous years, the recovery of jack carcasses was problematic; only 2 were encountered during stream surveys (0.3% of jacks counted at fence).

All carcasses encountered were checked for marks. Of the 390 adult carcasses examined, 251 were marked, 108 of which had T-bar tags, while an additional 143 had operculum punch but T-bar tag was absent (Table 20). The T-bar tag loss percentage was 57%. The male: female ratio of marked recovered carcasses was 1:1.3, while, unmarked Coho carcasses recovered; the majority were males (1:0.8).

Simple Petersen Mark-Recapture Population Estimates

A single-census Petersen mark-recapture estimate for adult Coho (ignoring jacks) was obtained from the bias-corrected *hypergeometric estimator* (Equation 3) for population size as N=3758 ± 136 (Table 21). Since the ratio of marked recaptures to catch exceeds 0.1, it may be more appropriate to use the binomial confidence interval calculation (Seber, 1982).The *binomial estimator* (Equation 5) for adult Coho was calculated as N=3757 ± 143.

Bayesian Posterior Probability Mark-Recapture Population Estimates

The *posterior probability distribution* for adult Coho was constructed from 25 time intervals (T) associated with available marks (M) in the spawning population at time T, the observed number of Coho carcass encounters (C), and the number of marks recovered (R) in the encounters (Figure 22). The weighted median and mean of the posterior probability distribution were 3,555 and 3,549 ± 4.3 fish, respectively (Figure 23).1001 discrete population runs were modeled between bounds of 3,000 – 4,000 individuals. These data provided a modal adult population estimate of 3,536 fish (**Figure 10**), with the highest probability density of 3,343 – 3,788, $\alpha = 0.05$) (**Figure** 11).

Exploitation Rate and Marine Survival

Virtually all Coho from the major South Coast hatcheries have been marked since 1997 (a pelvic fin clip in the first year and an adipose clip thereafter). This was in anticipation of selective mark fisheries, which are intended to harvest hatchery but not wild production. 1997 was the last year when major non-selective fisheries occurred in southern BC. Since Black Creek Coho are a wild stock, smolts were not adipose clipped between 1997 and 2002. However, in 2003 and, again, in 2004 a portion of the smolt output was adipose clipped as well as coded-wire tagged. This was not repeated for any of the 2005 - 2009 smolt production cycles.

It is assumed that Black Creek Coho are encountered in BC and Alaska sport fisheries at the same rate as marked Coho from Quinsam Hatchery, 27 km from Black Creek. Since studies suggest that 10% of sport-caught Coho do not survive after release, the exploitation rate in BC sport fisheries is assumed to be 10% of the Quinsam exploitation in BC catch-and-release recreational fisheries. However, for Alaskan fisheries all Coho are retained so the Alaskan exploitation rate of Black Creek Coho is assumed equal to Quinsam hatchery Coho exploitation.

The percent exploitation rate (ER) of adult Black Creek Coho is calculated based on CWT tag estimates, as:

$$ER = 100 * C / (C + M + E)$$

where C is the estimated fishing mortality, M is the known pre-spawn natural adult mortality (assumed to be negligible), E is the adult escapement.

CWT-tagged adult Coho escapement E (332 fish) was derived from the proportion of tagged adult returns (9.4%) multiplied by the modal estimate of the total adult escapement (3,536). The proportion was calculated from the estimated number of CWT adults (231 CWTs, based on 210 observed fish adjusted for long-term tag loss of approximately 10%[3]), divided by the total number of adult Coho examined at the fence for CWTs (2459).

Though catch data (C) are unavailable for Black Creek Coho in 2009, an estimate of 3.8% exploitation was independently provided for Vancouver Island and Georgia Strait Coho for 2009 (source: Pieter Van Will) which can be used to back-calculate the catch mortality. Re-arranging the ER equation yields:

$$ER = 100 * (C / (C + 0 + 332)) = 3.8\%$$

$$C = 0.038 * 332 / 0.962$$

$$C = 13.1 \text{ (range: 12.6-13.6)}$$

Thus, catch of CWT'd adults is estimated at approximately 13 fish, with a range of 12.6 – 13.6 fish, based on minimum & maximum long-term tag loss rates (Taylor & Baillie, in prep.).

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[3] Since CWT'd smolts were not adipose fin-clipped in 2008, long-term CWT tag loss cannot be directly determined. In previous years, long-term CWT tag loss in adult Black Creek coho was 6.4% (2004) (Taylor, Baillie & Simpson, in prep) and 14.6% (2005) (Taylor & Baillie, in prep), mean ~10%.

Percent marine survival rate (S), is:

$$S = 100\ (C + M + E)\ /\ R$$

where C, M and E are calculated as for exploitation rate, and R is the number of tagged smolts in 2007 corrected for long-term tag loss. The estimated number of tagged smolts (R = 10,269) was then derived by applying the 10% long-term tag loss rate to an estimated 12,358 effectively tagged releases in 2008, after adjusting the 12,358 CWT'd smolts for short-term tag loss of 0.65% (Van Will et al., 2010b).

Thus:

$$S = 100 * (13 + 0 + 332)\ /\ 9{,}245$$

$$S = 3.73\%\ \text{(range: 3.59-3.87\%)}$$

Thus, marine survival of Coho adults is estimated to be 3.73%, with a range of 3.59-3.87 %, based on minimum & maximum long-term tag loss rates (Taylor & Baillie, in prep.). Estimated marine survival and exploitation rates since 1976 are presented in

Table 24, where available.

DISCUSSION

Smolts

Smolt migration past the Black Creek fence in 2009 peaked in mid-May, which differs from recent years that peaked in early May. Enumerated Coho smolt out-migrants (68,517) and total coded-wire tagged smolts (19,099) were nearly twice as much as 2007 and 2008 outputs. Short-term tag loss estimates of 0.65% were used to estimate an effective tag release of 19,016 coded-wire tagged smolts migrating to sea in 2009 (28% of the total run).

As usual for Black Creek, age 1 fish predominated in the 2009 smolt migration (81% of aged fish). The length distribution of partially-aged (M0) fish (Figure 5) suggests that the majority of these fish were also age 1. The remainder of the migration was composed of age 2 smolts, which were most common during the first time period. Age 3 smolts have not been identified in the Black Creek out-migration since 2005, and none were identified in 2009.[4]

Adults

Black Creek Coho upstream migration is highly dependent on precipitation events to raise creek levels. Over the past five years, peak Coho migration has occurred shortly after the first significant rainfalls (Van Will et al., 2010a and 2010b). Similarly, in 2009, while water temperature and water level conditions were not a barrier to fish migration throughout October, upstream migration was largely confined to a spike of fish (mostly jacks) in mid-October, followed by a large pulse of fish (almost all adults) in late October, each associated with pulses in water levels due to precipitation (Figure 7).

The maturity level of each individual fish was documented. In 2008 there were a high percentage of fish (57% females, 46% males) that were in good silver condition. In 2009 the percentage of silver condition fish was considerably lower (3% females, 2% males). Green and mature fish both made up around 30% each. There was a large percentage of fish (31%; of which 34% were females, 17% were males, 49% were jacks). The adult fish that were not assessed could have been a contributing factor for the low result of silver spawners. It is unknown how this difference in maturity level combined with the imbalance of adult sex ratio (1.5 females to males), might impact reproductive success on spawning grounds. Similarly to 2006 and 2007, extreme water levels terminated the ability to accurately count adult migration through the fence after November 9th.

The CWT detection rate (8.5% of Coho examined) was an increase from 2008 (5.3%) Van Will et al., 2010?), however it is still considerably lower than the 15.5% tag detection rate in 2007 (Van Will et al., 2010b), and 29% in 2006 (Van Will et al., 2010a), and may be indicative of a trend in long-term tagging mortality associated with CWT tagging operations.

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[4] Two age 3 smolts were captured in each of 2001 and 2002; 5 fish were found in 2003; and 1 in 2005.

High water levels in 2009 affected fence operations in early November, during which time an unknown number of adult Coho escaped unexamined, however it was most likely minimal since the bulk had passed through during the last 3 days of October. This may be a source of error in the estimate of marine survival (Equation 8), since the escapement estimate (E) is based in part on the total number of CWTs detected. However, since this count is tallied in ratio to the total number of fish checked, which is also biased downward to an unknown degree, it is not possible to determine the level of error in E, if any.

Taylor and Baillie (in prep.) showed that inter-annual variation in the distribution of spawners amongst spawning ground sites is high, indicate that spawner distribution does not appear to be a function of run size or available spawner habitat, or related in any obvious way to variations in hydrologic conditions.

The continuing high T-bar tag loss rate (57%, compared to 43% in 2008, and 46% in 2007, and 33% in 2006 (Van Will et al., 2010?, Van Will et al., 2010b, Van Will et al., 2010a)) in spawning ground recoveries of marked coho remains a mystery. However, tag loss would have little repercussion on the population estimate if the accompanying opercular punch was identified each case. Since it is possible that either tag can be lost, there might be “marked” fish in the recoveries which have lost both marks. Thus, of the 51 fish that were found without marks, some proportion may have been marked. The inability to account for these missing marks would bias the estimated population size upwards by an unknown amount.

Another curiosity shows up in the male:female sex ratio of unmarked adult recoveries. Of the 51 unmarked coho carcasses recovered, a slight majority were males (male:female sex ratio of 1 : 0.8), while the sex ratio for marked carcass recoveries was nearly identical to the fence count ratio, which displayed a majority of females (1 : 1.3). This seems to suggest that unmarked females were disproportionately absent from the spawning ground recoveries, for unknown reasons that may be related to problems with recovery efforts.

Escapement Estimation

The single-census Petersen hypergeometric and binomial mark-recapture estimators for adult coho population size were not significantly different from each other at the $\alpha = .05$ level, being approximately 3,758 ± 136 fish.

The modal Bayesian population estimate was 3,536 adult coho with a 95% probability density of 3,343 – 3,788 fish.

The Bayesian estimates have been consistently higher than single-census Petersen estimates since 2003 (Figure 12), in 2009 these estimates were significantly different from each other at the $\alpha = 0.05$ level.

Estimated 2009 adult escapement numbers (3,536) represent ~6 times that of the escapement population size (565) in the contributing brood year of 2006, indicate an increasing trend in spawner replacement (Figure 12) which is an improvement from the previous year where spawner replacement was only 28%(Van Will et al., 2010?).

Taylor and Baillie (in prep.) describe the potentials for bias in generating Bayesian population estimates due to differential rates of recapture of tagged versus untagged fish, tag loss, and/or unobserved migration. They found that the initial trend of increasing population size stabilized in the final sampling sequences after mid-November, following the dispersal of unmarked coho into the spawning sites. In 2009, all upstream migrants were enumerated at the fence until November 13th; however, unobserved migrants after that date may be introducing some bias into the escapement estimate, and may thereby be affecting both marine survival and exploitation rates to some degree. In addition, the inability to account for missing marks would bias the estimated population size upwards by an unknown amount.

Exploitation Rate

Commercial fisheries in southern BC have been designed to avoid coho catches, and incidentally-caught coho cannot be retained. However, non-selective sport and commercial fisheries still exist from the central coast to Alaska and in Washington State. Retention of unmarked coho by sport fishermen is now permitted in some terminal areas on the west coast of Vancouver Island. Though few Black Creek coho have occurred in these areas historically, those that were caught go largely undetected since unmarked coho are typically not scanned for the presence of a CWT. The catch is assumed to be small; fishing mortality is assumed to consist entirely of release mortality in sport fisheries (10%).

Significant conservation measures initiated in 1997 have reduced fishing mortality on Black Creek coho. The exploitation rate estimate has averaged 4.3% since 1998, down from an average of 73% for the years 1986-1997. However, the regional estimate of 3.8% for Vancouver Island-based Georgia Strait coho for 2009, suggests catch rates for Black Creek coho are continuing to decrease.

Marine Survival

Despite significant reductions in exploitation since 1998, Black Creek coho marine survival remains persistently suppressed at low levels, mirroring declines seen elsewhere in the Strait of Georgia basin (Figure 13). The 2009 marine survival estimate of 3.73% is an increase from 2008 (0.76%) (Van Will et al., 2010?), which was the lowest in recent record (1976-2008). Although marine survival increased in 2009 relative to the previous year, the low value highlights the continued challenge faced by Strait of Georgia coho stocks.

RECOMMENDATIONS

This following recommendations arising out of this report may facilitate future Black Creek coho enumeration operations, data management, and analysis.

Juvenile Enumeration Operations

1. Estimates of long-term CWT tag loss have varied from 4.6 to 16.4% for return years prior to 2006, but should be reviewed for more recent broods. Include adipose fin-clipping or equivalent marking to facilitate assessment of long-term

CWT tag loss. Long-term tag loss studies require independent groups of CWT'd smolts which do not overlap with short-term 24-hour tag loss smolt sets.

2. Trap box over-crowding during peak out-migration can result in pre-sample smolt mortality rates of up to 5% on a given date, and potentially delay or impact tagging operations if surviving fish are significantly stressed. Extra attention to trap management during peak migration periods may alleviate this unnecessary mortality.

Adult Enumeration Operations

1. In 2009 there is evidence that there was minimal information collected from the jacks in Black Creek. Only 157 jacks were checked for the presence of CWT, while 509 were unchecked. In future this information may become useful for examining the jack population at Black Creek.
2. High water levels in 2009 affected fence operations in early November, during which time an unknown number of adult coho escaped unexamined. This may lead to errors of unknown magnitude in the Bayesian escapement estimate and subsequent estimate of marine survival. To minimize untallied and un-sampled coho bypass events, extra efforts should be made to observe fish passage during high water periods, either through counting fence design modifications, or extra observer effort in response to precipitation forecasts.
3. Another potential source of bias in escapement estimation may be incurred by the loss of both tag and opercular punch holes from marked fish. It may be useful to further mark the fish with an additional punch hole in the second operculum and look at other tag designs that may hold in the fish for a greater amount of time.

Spawn Survey Operations

1. Obtain physical data from key spawning ground locations, including water temperature data and/or cross-sectional creek profiles, to ascertain whether temperature or bedload movement might be a factor in spawner distribution.

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TABLES

Table 1. Environmental conditions during smolt fence operations, 2009.

Date	Water Temp (C^{o})	Air Temp (C^{o})	Water Level (cm)	Weather	Comments
7-Apr	6.0	13.0	74	Sunny	
8-Apr	7.0	11.0	72	Sunny/Cloudy	
9-Apr	8.0	11.0	72	Cloudy	
10-Apr	8.0	11.5	70	Sunny	
11-Apr	8.0	12.0	70	Sunny	
12-Apr	8.5	10.5	69	Rainy	
13-Apr	6.5	10.0	70	Sunny	
14-Apr	6.0	10.0	70	Sunny	
15-Apr	7.5	10.0	68	Sunny	
16-Apr	8.5	14.0	67	Cloudy	
17-Apr	10.0	15.0	70	Sunny	
18-Apr	9.8	12.0	68	Cloudy	
19-Apr	9.6	13.0	68.5	Rainy	clean screen/ Holding box over flow plus screen
20-Apr	10.2	13.0	66	Cloudy	big water level drop from yesterday
21-Apr	9.3	11.0	65	Cloudy	
22-Apr	8.0	11.0	66	Sunny	overnight rain
23-Apr					
24-Apr					
25-Apr	8.4	8.0	62	Sunny	
26-Apr	8.2	8.1	59	Sunny	continuous drop in water level
27-Apr	9.2	15.0	58	Sunny	box open, water still dropping
28-Apr	9.1	15.0	57	Sunny	water low- no fishing from box
29-Apr	9.6	15.0		Sunny	tarpped and dammed fence
30-Apr					
1-May	12.0	16.0	62		
2-May	9.1	13.0	60	Cloudy	
3-May	9.1	12.0	60	Sunny	
4-May	9.7	10.0	60	Rainy	
5-May	10.3	11.0	80	Cloudy/Rainy	Water level 80-60 yesterday
6-May	9.9	10.6	86	Cloudy/Rainy	Scaled 25 & length, rest were tagged
7-May	10.0	14.0	85		

Date	Water Temp (C°)	Air Temp (C°)	Water Level (cm)	Weather	Comments
8-May	11.0	14.0	87		
9-May	10.0	12.0	84	Sunny	water level high then dropped
10-May	10.6	13.0	79	Sunny/Cloudy	
11-May	12.0	13.0	78		
12-May	10.1	12.0	76	Sunny/Cloudy	
13-May	10.7		72	Cloudy	
14-May	9.6	12.0	74	Sunny	
15-May					
16-May	12.4	16.0	67	Cloudy	
17-May	12.8	16.0	65	Cloudy	
18-May	13.6	13.0	64	Cloudy	overnight rain
19-May	11.8	14.0	65	Cloudy	
20-May	11.3	12.0	68	Cloudy	
21-May	11.0	15.0	66		
22-May	12.0	17.0			
23-May	12.0	15.0	62	Sunny	
24-May		13.0	60	Sunny	2545 released, 180 L/W
25-May	12.0	18.0	60	Sunny	
26-May	12.9	14.5	59	Cloudy	
27-May	11.9	18.5	87	Sunny	2-trout, 180 L/W
28-May					
29-May	13.0	18.0	54		
30-May	13.7	15.0	56	Cloudy	119 L/W
31-May	13.6	19.0	56	Sunny	110 L/W
1-Jun	13.7	16.0	53	Sunny	
2-Jun	14.7	18.0	52	Sunny	
3-Jun	14.5	15.0	51	Sunny	
4-Jun					
5-Jun					
6-Jun					
7-Jun	16.3	20.0	47		no water in box, panels pulled

Table 2. Scale age composition of Black Creek coho smolts sampled at the juvenile weir, April 7th – June 7th, 2009. Fully aged fish.

AGE COMPOSITION					
Species	**European**	**Gilbert-Rich**	**Brood Year**	**Frequency**	**Percent**
Coho	1.0	2_2	2007	366	96.32%
Coho	2.0	3_3	2006	14	3.68%
TOTALS				380	100.00%

Table 3. Scale age composition of Black Creek coho smolts sampled at the juvenile weir, April 7th – June 7th, 2009. Partially aged or un-aged fish.

PARTIAL AGES					
Coho	M0	0M	No Marine Annulus	56	100.00%
TOTALS				56	100.00%

UNAGED				
Coho	NS	No structure	1	7.14%
Coho	UD	Upside down scale	13	92.86%
TOTALS			14	100.00%

Table 4. Summary of coho smolt scale ages by sampling period, 2009.

Period	**Statistic**	**Scale Age**				
		N/A	**1.0**	**2.0**	**M0**	**Grand Total**
Period 1: Apr 7 – May 12	Count	3	77	6	14	100
	Percent	3%	77%	6%	14%	100%
Period 2: May 13 – 25	Count	9	181	6	29	225
	Percent	4%	81%	3%	12%	100%
Period 3: May 26 – Jun 7	Count	2	108	2	13	125
	Percent	2%	86%	2%	10%	100%
Total Count		**14**	**366**	**14**	**56**	**450**
Total Percent		**3%**	**81%**	**3%**	**13%**	**100%**

Table 5. Summary of 2009 length (mm) at age of coho smolts.

Statistic	**Smolt Age**				
	1	**2**	**M0**	**N/A**	**ALL**
Count	366	14	56	14	450
Percent	96.3	3.7	-	-	100%
Lengths	366	14	56	14	450
Min Length	75	112	82	78	75
Mean Length	100.1	160	106.9	105.3	102.8
Max Length	137	205	179	160	205
SD Length	11.9	35.6	22.3	22.5	18.6

Table 6. Length frequency of coho smolts by period, 2009.

Fork Length (mm)	Period 1	Period 2	Period 3	Total
70-74	2	1		3
75-79	3	7	6	16
80-84	7	39	26	72
85-89	19	128	86	233
90-94	55	231	150	436
95-99	105	276	151	532
100-104	125	246	109	480
105-109	133	150	56	339
110-114	243	76	16	335
115-119	129	45	2	176
120-124	111	18	6	135
125-129	56	4		60
130-134	33	1		34
135-139	26			26
140-144	23	1	1	25
145-149	3			3
150-154	3	1		4
155-159	1			1
160-164	2	3		5
165-169	2	1		3
170-174	4			4
175-179	2	2		4
180-184				
185-189	1	2		3
190-194		2		2
195-199		1		1
> 200			1	1
All	1088	1235	610	2933

Table 7. Size statistics for coho smolts by sampling period, 2009.

Period	N	Fork Length (mm)				Fresh Weight (g)			
		Min	Mean	Max	Mode	Min	Mean	Max	Std
1	1088	70	110.5	188	110-114	1.4	7.75	33.9	3.06
2	1198	70	99.2	198	95-99	1.9	5.70	37.8	2.79
3	578	76	96.2	210	95-99	1.8	5.08	27.5	1.53
All	2864	70	102.3	210	95-99	1.4	6.35	37.8	2.91

Table 8. Summary of catches and coded-wire tag releases of coho smolts by tag series and sampling date, 2009.

Date	CWT Code	Pre-Morts	Number Tagged	Post Morts	Unmarked Releases	Pin Retention Test Fish	Number of Non-Retentions	24hr Tag Loss	Effective CWTs	No Pin Fish	Comments
1-May	080424	14	1187	9	564	416	4	1.00%	1179	8	First 24-hr retention test
5-May	080424	1	540	0	2649	225	0	0%	540	0	Second 24-hr retention test
6-May	080424	4	1523	0	114				1523	0	
7-May	080424	0	673	0	46				673	0	
8-May	080424	2	771	0	19				771	0	
11-May	080424	0	2375	0	60				2375	0	
19-May	080424	3	1829	0	2902				1829	0	
20-May	080424	0	1685	0	1624				1685	0	
21-May	080424/ 081315	4	1485	2	40	163	2	1.20%	1475	10	Third 24-hr retention test
22-May	081315	1	2279	7	7				2252	27	
27-May	081315/ 081311	11	2308	0	220				2280	28	
28-May	081311	5	1541	0	256	266	1	0.40%	1534	7	Fourth 24-hr retention test
29-May	081311	5	843	0	44				840	3	
5-Jun	081311/ 185941	0	60	0	0				60	0	
Totals		**50**	**19099**	**18**	**8545**	**1070**	**7**	**0.65%**	**19016**	**83**	

Table 9. Daily upstream migration through the adult counting fence, 2009.

Date	Coho			Chum	Chinook	Cutthroat	Other	Comment
	Adults	Jacks	Unknown					
16-Oct	192	58		1		41		22 male + 26 female not sampled
17-Oct	361	308				52		18 male + 18 female + 41 jacks not sampled
18-Oct	336	184				55		
19-Oct	65	24				1		
20-Oct	20	15				2		
21-Oct	1	1				0		
22-Oct	3	3						
23-Oct	4	3						
24-Oct	3	2						
25-Oct	2	0						
26-Oct	7	4						
27-Oct	13	1						
28-Oct	4	1						
29-Oct	205	12				15	1	
30-Oct	379	28						
31-Oct	441	0						47 males + 54 females not sampled
1-Nov	161	0						
2-Nov	48	0						
3-Nov	23	30						
4-Nov	0	1						
5-Nov	116	7						
6-Nov	168	48						
7-Nov	25	1						
8-Nov	4	1						
9-Nov	0	0						
10-Nov	0	0						
11-Nov	0	0						
12-Nov	2	0						
13-Nov	1	0						
14-Nov	0	0						
Total	**2584**	**732**	**0**	**1**		**166**	**1**	**Total Coho: 3316** **Total Fish: 3484**

Table 10. Relative condition of maturity of Black Creek coho as assessed subjectively at the counting fence, 2009.

Condition	Females	Males	Jacks	Unknown	All
Silver	89	21	40	2	152
Green	609	242	112	0	963
Mature	417	536	38	2	993
Ripe	0	0	1	0	1
Unknown	325	167	465	0	957
All	1440	966	656	4	3066

Table 11. Summary of coho adult scale ages.

Period	Data	Scale Age				Grand Total
		1.1	2.1	M1	N/A	
Oct 16-Nov 13	Count	112	10	99	18	239
	Percent of Scales	47%	4%	41%	8%	100%
	Percent of Fully Aged Scales	**92%**	**8%**			100%

Table 12. Age and sex composition for adult coho, 2009.

Sex	Statistic	1.1	2.1	Grand Total
Female	Count	63	6	69
	Percent	51.6%	4.9%	56.6%
Male	Count	49	4	53
	Percent	40.1%	3.3%	43.4%
Total Count		**112**	**10**	**122**
Total Percent		**91.8%**	**8.2%**	**100%**

Table 13. Fork length (cm) frequency distribution data for adult and jack coho, 2009.

Fork Length Range (cm)	Females	Males	Jacks	Unknown	Totals
11-15	0	0	0	0	0
16-20	0	0	0	0	0
21-25	0	0	5	0	5
26-30	0	1	82	0	83
31-35	0	1	268	0	269
36-40	1	1	235	0	237
41-45	2	1	37	1	41
46-50	7	15	2	0	24
51-55	22	35	1	0	58
56-60	88	58	0	0	146
61-65	258	106	0	1	365
66-70	581	225	0	1	807
71-75	404	303	0	1	708
76-80	76	188	0	0	264
81-85	1	30	0	0	31
86-90	0	2	0	0	2
91-95	0	0	0	0	0
96-100	0	0	0	0	0
Total	**1440**	**966**	**630**	**4**	**3040**

Table 14. Statistical summary of fork length (cm) data for adult and jack coho, 2008.

Statistic	Females	Males	Jacks	Unknown	All
Count	1440	966	630	4	3040
Minimum	36	30	23	42	23
Mean	68.1	69.9	34.8	61.5	58.6
Maximum	81	87	55	72	87
Std Deviation	5.3	7.5	3.9	-	15.0

Table 15. Length-at-age for aged adult coho, 2009.

Sex	Fork Length (cm)	1.1	2.1	All Ages
F	Count	63	6	69
	Mean	68.6	68.3	68.6
	Std Dev	4.7	4.5	4.7
M	Count	49	4	53
	Mean	70	69	69.9
	Std Dev	8.7	3.4	8.4
Total Count		112	10	112
Overall Average		69.3	68.7	69.3
Standard Deviation		6.8	3.9	6.6

Table 16. Summary of coded-wire tag detections during coho movement through the counting fence, 2009.

Sex	CWT Present	CWT Absent	Not Checked	Total
F	120	1256	64	1440
M	81	851	34	966
J	8	139	509	656
Unknown	1	3	0	4
Total	210	2249	607	3066

Table 17. Summary of coho adult and jack tag operations at the counting fence, 2009.

	Males	Females	Jacks	Unknown	All
Captured	1053	1538	697	4	3292
Not Tagged	110	95	695	0	900
Total Tags	943	1443	2	4	2392

Table 18. Summary of recoveries of coho from spawning ground sampling sites, 2009.

Reach (#)	Unmarked				Marked					Total
	F	M	Unk	Total	F	J	M	Unk	Total	
1	5	9		14	8		8		16	30
2	9	12	1	22	10		8		18	40
3	1	3		4	3		5		8	12
4	3	6		9	7		6		13	22
5	14	20		34	33		31	4	68	102
6	4	4		8	15		12		27	35
7	2			2	5		5		10	12
8	17	25		42	40	2	33		75	117
Other	3	3		6	5		10	1	16	22
Grand Total	**58**	**82**	**1**	**141**	**126**	**2**	**118**	**5**	**251**	**392**

Table 19. Summary of adult coho recoveries by date, sex, tag and secondary mark presence (N=No, Y=Yes) on the Black Creek watershed spawning grounds, 2009.

Date	Females			Males			Jacks			Unknown Sex			Grand Total
	N	Y	Total	N	Y	Total	N	Y	Total	N	Y	Total	
10-Nov	2	2	4	2	2	4					4	4	12
17-Nov					2	2							2
18-Nov	5	5	10	5	8	13							23
19-Nov	2	1	3	2	1	3							6
20-Nov	2	6	8	2	11	13					1	1	22
21-Nov		2	2	1	1	2							4
22-Nov	1	7	8	4	5	9							17
23-Nov	3	11	14	2	11	13							27
24-Nov	1	6	7	2	4	6							13
25-Nov	3	6	9	2	7	9							18
26-Nov	3	11	14	4	9	13							27
27-Nov	4	8	12	6	9	15							27
28-Nov	3	10	13	6	6	12							25
29-Nov	6	7	13	4	8	12				1		1	26
30-Nov	4	14	18	11	7	18		1	1				37
01-Dec	1	2	3	2	2	4							7
02-Dec	8	9	17	9	9	18		1	1				36
03-Dec	2	4	6	3	4	7							13
04-Dec	4	5	9	9	2	11							20
05-Dec	2	6	8	2	5	7							15
06-Dec	2	3	5	1	4	5							10
07-Dec		1	1	3	1	4							5
Total	58	126	184	82	118	200	0	2	2	1	5	6	392

Table 20. Mark application and recovery by sex for the 2009 Black Creek Coho escapement, comparing recovery rates for T-bar tagged versus left opercular-punched fish.

Sex	Marks Applied		Marks Recovered			% Recovery		
	T-Bar	L-Punch	T-Bar	L-Punch	Marked	T-Bar	L-Punch	Marked
F	1428	1428	58	121	126	4.1%	8.5%	8.9%
J	2	697	0	2	2	0.0%	0.3%	0.3%
M	958	958	45	111	118	4.7%	11.6%	12.3%
Unknown	4	4	5	4	5	-	-	-
Total	2392	3087	108	238	251	4.5%	7.7%	8.1%

Sex	Punch Undetermined	Mark Undetermined
F	10	7
J	0	0
M	13	6
Unknown	1	0
Total	24	13

Table 21. Petersen mark/recapture escapement estimation based on Black Creek adult coho marked fish and recoveries.

Adults	
Marks	2390
Captures	392
Recoveries	249
R/C	64%

Petersen Pop Estimator	Pop	Var	Std Dev
Hypergeometric	3,757.65	18,412.16	135.69
Binomial	3,757.08	20,463.06	143.05
Inverse Hypergeometric	3,763.14		
Inverse Binomial	3,762.57	20657.56859	143.73

Table 22. Black Creek adult coho marks and recoveries, by date of recapture, for Bayesian escapement population estimation.

Date	Time Interval (T)	Catch (C)	Marks Available (M)	Recovered Marks (R)
10-Nov	1	12	2380	8
11-Nov	2	0	2372	0
12-Nov	3	0	2378	0
13-Nov	4	0	2381	0
14-Nov	5	0	2382	0
15-Nov	6	0	2382	0
16-Nov	7	0	2382	0
17-Nov	8	2	2382	2
18-Nov	9	23	2380	13
19-Nov	10	6	2367	2
20-Nov	11	22	2365	18
21-Nov	12	4	2347	3
22-Nov	13	17	2344	12
23-Nov	14	27	2332	21
24-Nov	15	13	2311	10
25-Nov	16	18	2301	13
26-Nov	17	27	2288	21
27-Nov	18	27	2267	17
28-Nov	19	25	2250	16
29-Nov	20	26	2234	15
30-Nov	21	36	2219	21
01-Dec	22	7	2198	4
02-Dec	23	35	2194	18
03-Dec	24	13	2176	8
04-Dec	25	20	2168	7
05-Dec	26	15	2161	11
06-Dec	27	10	2150	7
07-Dec	28	5	2143	2
Total		390		249

Table 23. Bayesian posterior probability distribution statistics for Black Creek adult coho population estimate, 2009.

```
                              Weighted Moments

N                             1001    Sum Weights          0.99999965
Mean                    3554.75118    Sum Observations     3554.74994
Std Deviation           4.26673163    Variance             18.2049988
Skewness                0.05563783    Kurtosis              -1.382141
Uncorrected SS          12654456.5    Corrected SS         18204.9988
Coeff Variation         0.12002898    Std Error Mean       4.26673237


                  Weighted Basic Statistical Measures

            Location                      Variability

        Mean     3554.751     Std Deviation                4.26673
        Median   3549.000     Variance                    18.20500
        Mode          .       Range                           1000
                              Interquartile Range        183.00000


                   Weighted Tests for Location: Mu0=0

          Test              -Statistic-    -----p Value------

          Student's t     t    833.132     Pr > |t|    <.0001


                           Weighted Quantiles

                         Quantile      Estimate

                         100% Max          4000
                         99%               3892
                         95%               3788
                         90%               3733
                         75% Q3            3643
                         50% Median        3549
                         25% Q1            3460
                         10%               3385
                         5%                3343
                         1%                3266
                         0% Min            3000
          Cum
        Density      Interval      Pop          Prob     Complement

        0.46348         28         3536     .002960503      0.53652            ....
—
```

Table 24. Estimated marine survival and associated exploitation rate in marine fisheries, 1976-2009.

Return Year	Smolt to Adult Survival Rate	Exploitation Rate
1976	0.190[1]	0.915[2]
1977	0.198[1]	0.836[2]
1978 - 1985	-	-
1986	0.125	0.727
1987	0.115	0.847
1988	0.134	0.676
1989	0.115	0.697
1990	0.129	0.713
1991	0.080	0.677
1992	0.125	0.767
1993	0.054	0.739
1994	0.059	0.790
1995	0.045	0.567
1996	0.034	0.703
1997	0.049	0.541
1998	0.045	0.030
1999	0.017	0.030
2000	0.022	0.030
2001	0.074	0.046
2002	0.049	0.059
2003	0.030	0.043
2004	0.044	0.043
2005	0.013	0.044
2006	0.015	0.044
2007	0.026	0.042
2008	0.0076	0.0582
2009	0.0373	0.038

[1] Probable under-estimate due to probable under-estimate of escapement.
[2] Probable over-estimate due to probable under-estimate of escapement

FIGURES

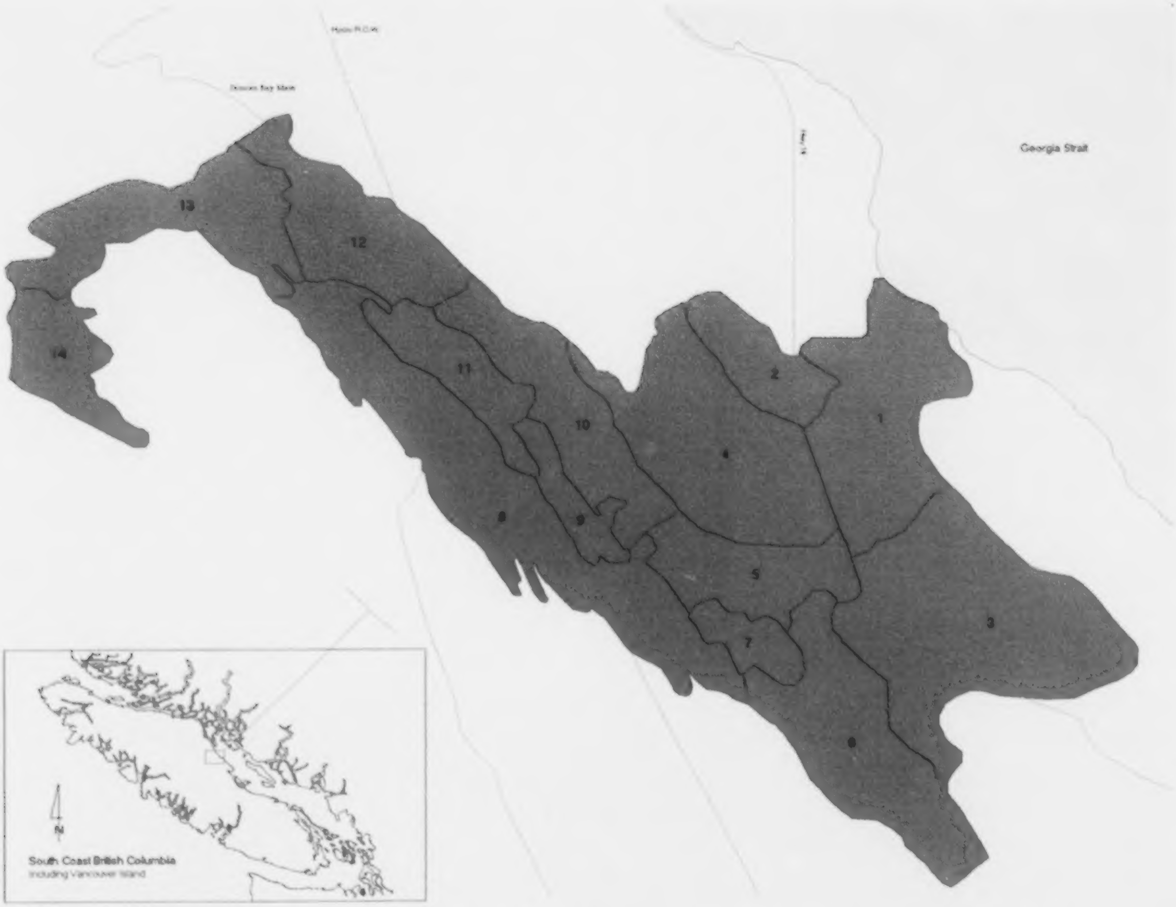

Figure 1. The Black Creek watershed and sub-basin boundaries (after Brown et al. 1999).

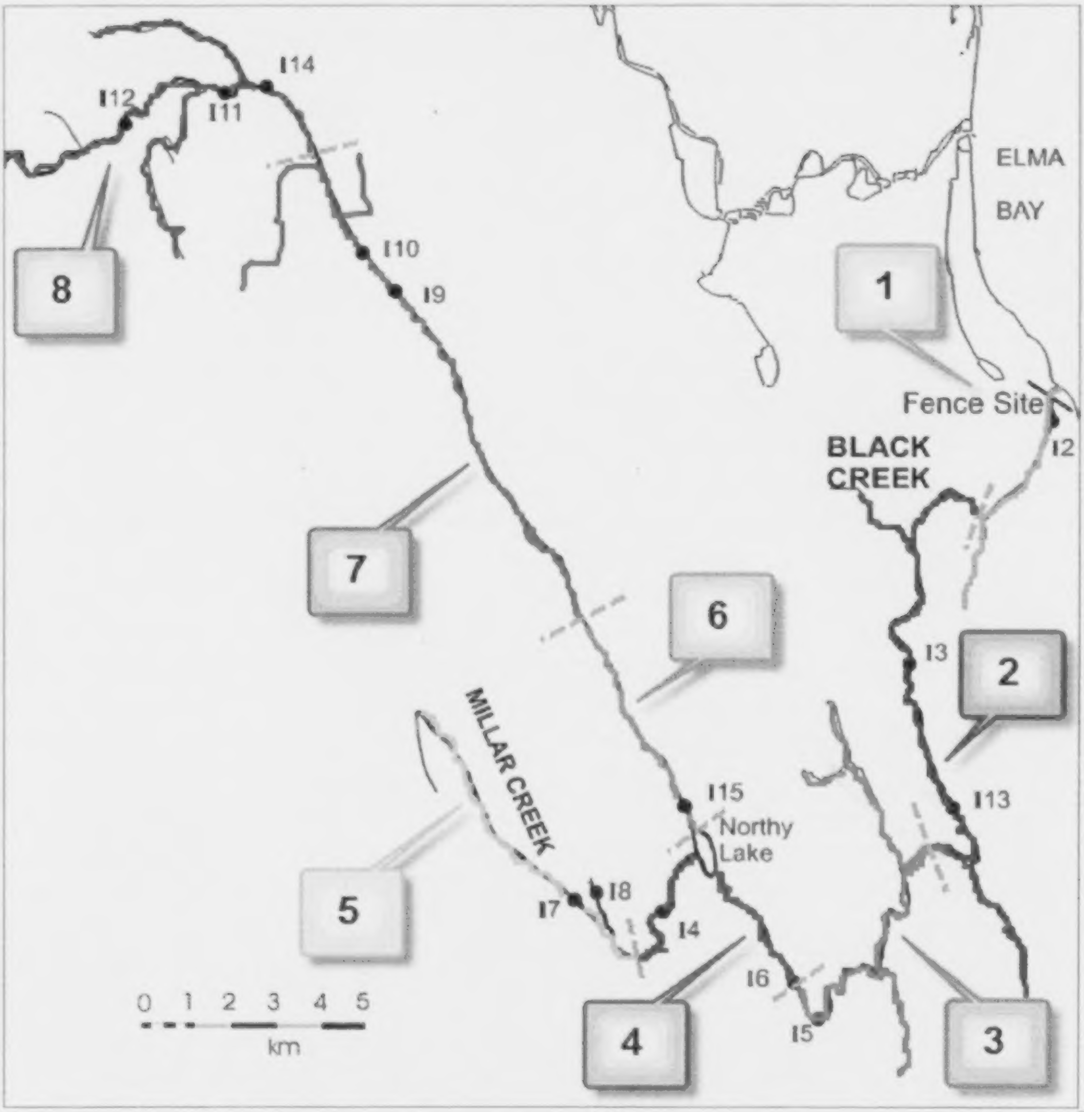

Figure 2. The Black Creek system, showing the locations of the fence and recovery sampling sites, by reach.

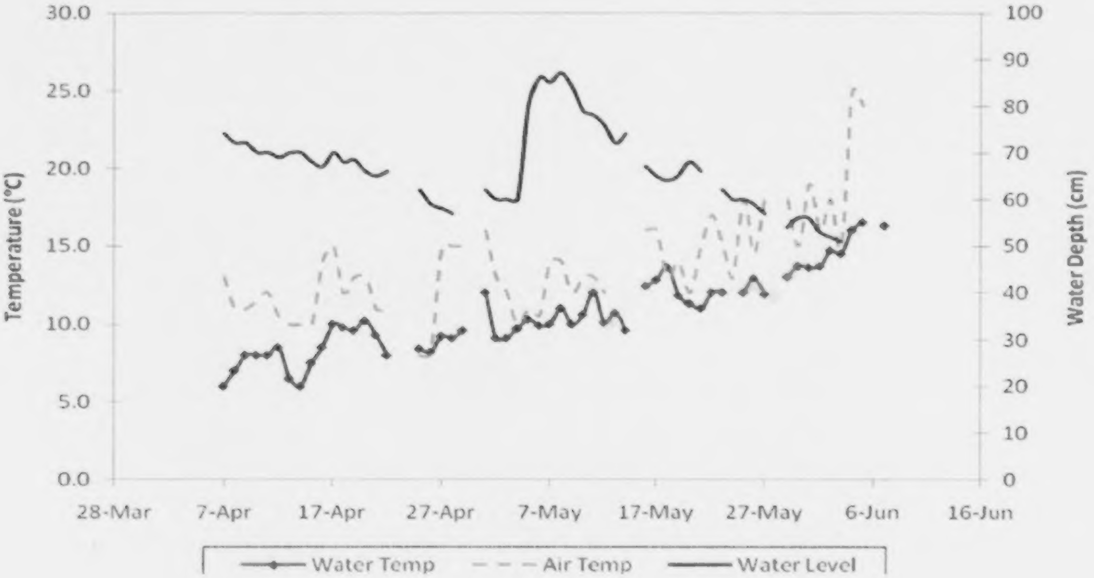

Figure 3. Black Creek water level and temperature during the 2009 smolt outmigration period.

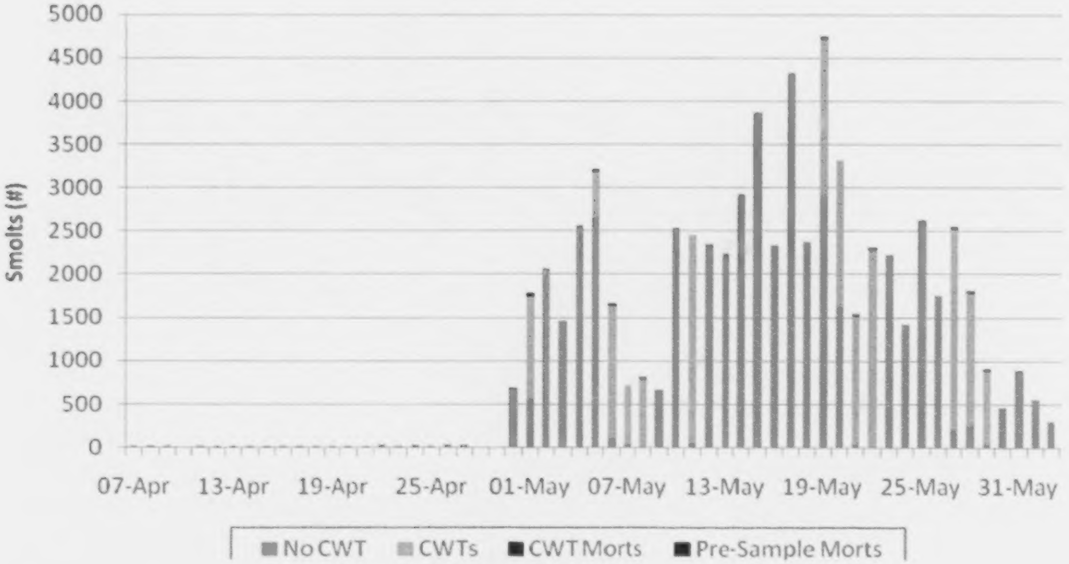

Figure 4. 2009 Black Creek daily coho smolt out-migration.

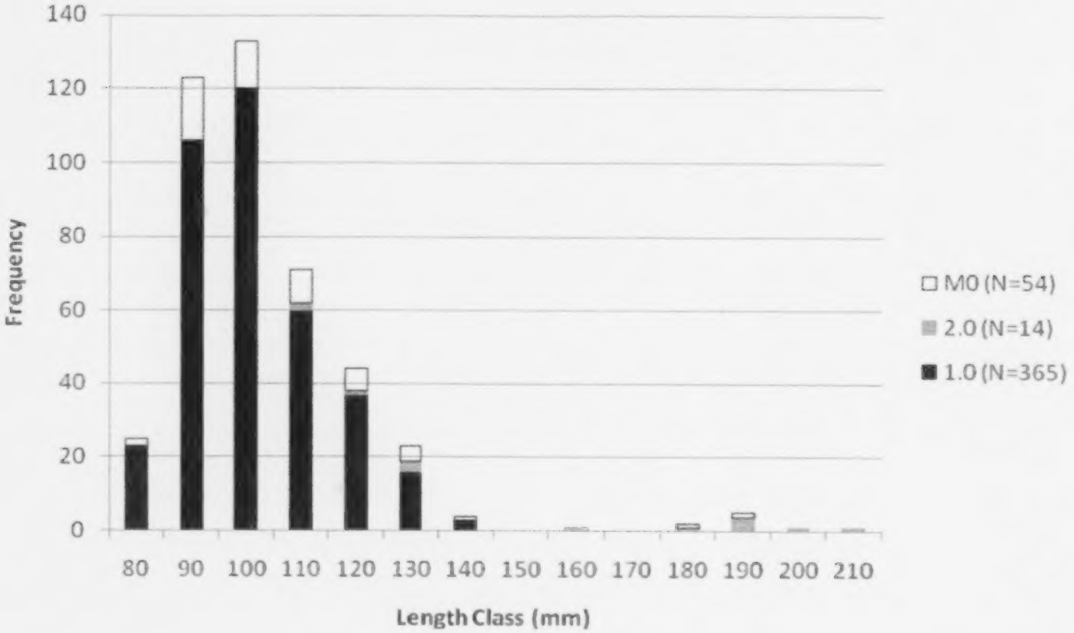

Figure 5. Smolt length frequency by age class (N=583). X-axis value represents low end of category (e.g., Length Class "80" represents fish 75-84 mm).

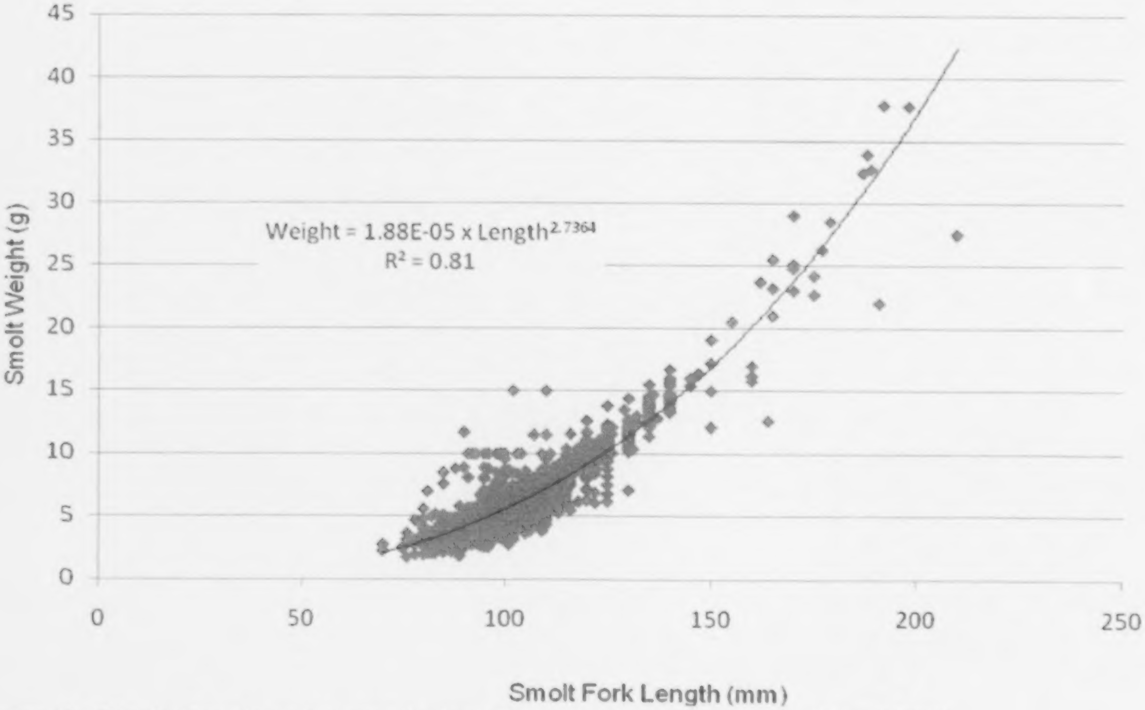

Figure 6. Black Creek coho smolts length-weight relationship, (N = 2624).

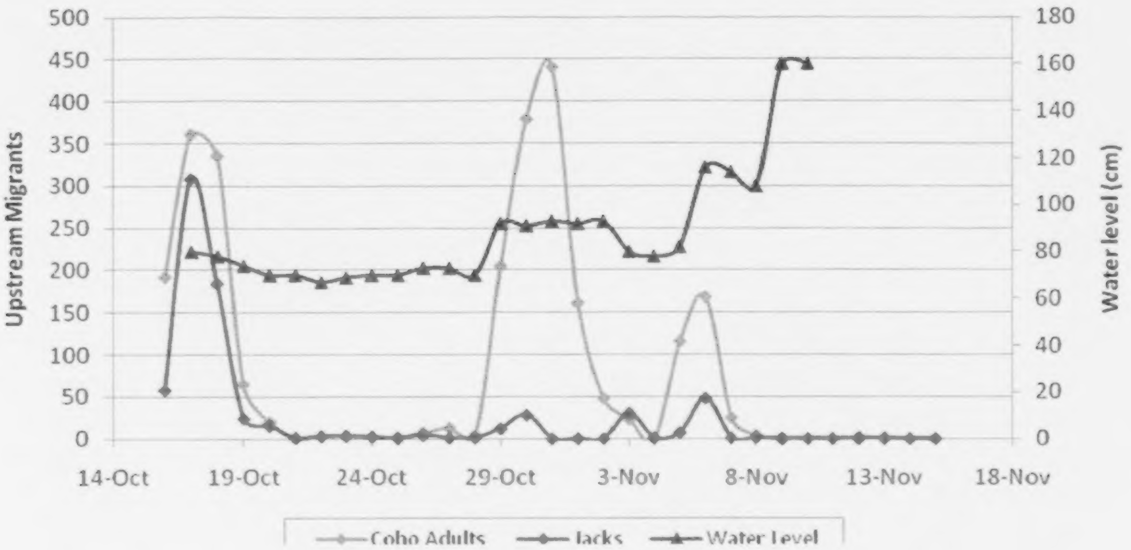

Figure 7. Adult and jack coho escapement and corresponding water levels, 2009.

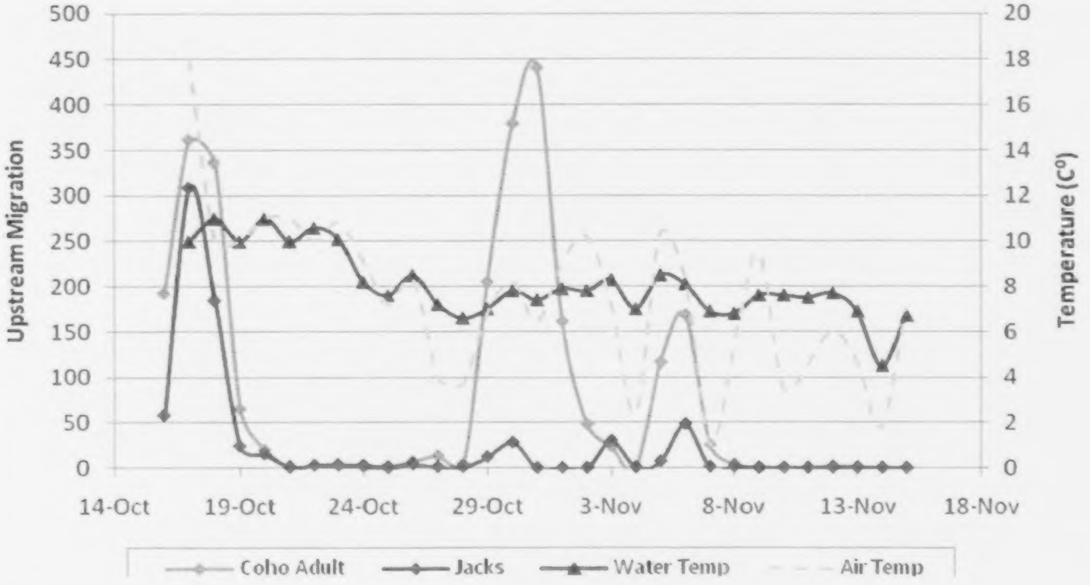

Figure 8. Air and water temperature time-series during adult migration period, 2009.

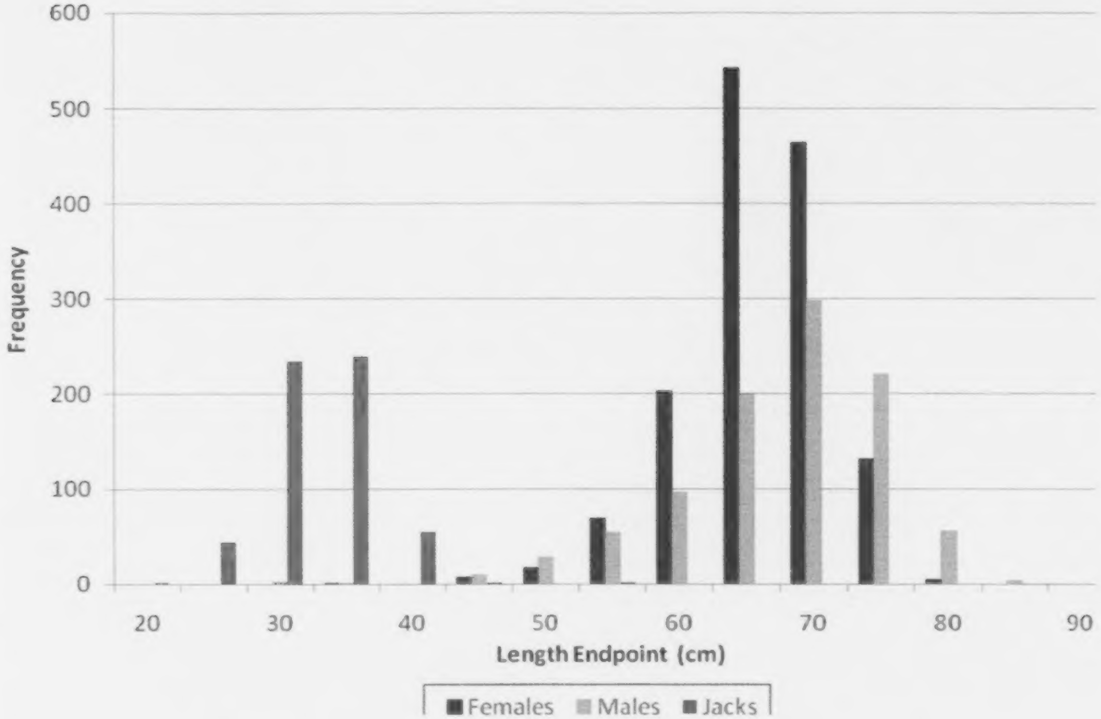

Figure 9. Length-frequency distribution of coho adults and jacks, 2009.

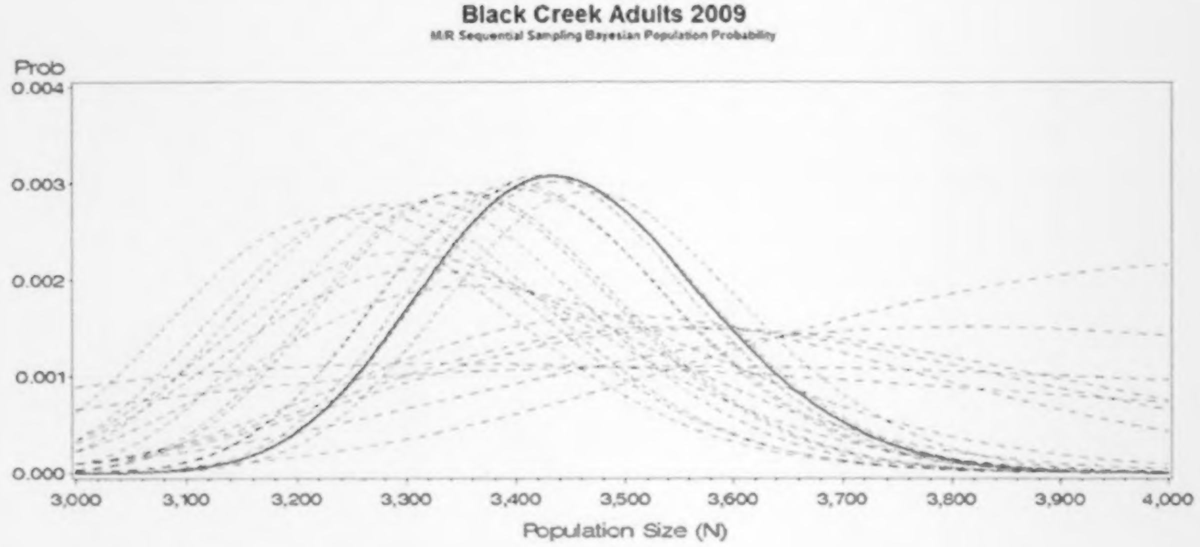

Figure 10. Sequential plots of the posterior distribution of the Bayesian population estimate for 2009 coho adults from marked releases. Final sequence is depicted by solid line. Modal estimate is 3,536 adults (95% confidence range: 3,343 – 3,788).

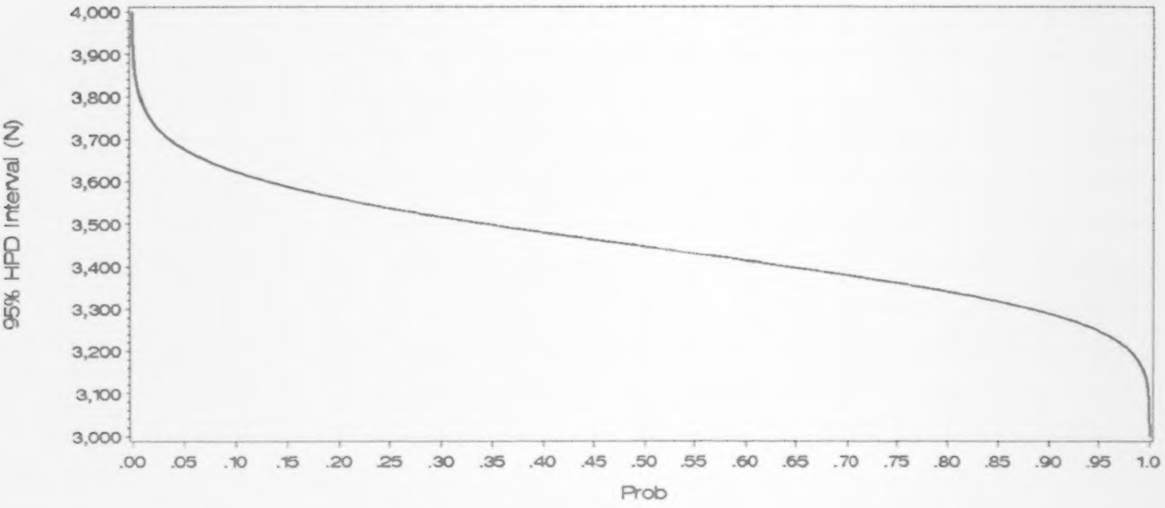

Figure 11. Minimum and maximum population estimates and precision (3,343 < Pop < 3,788; $\alpha = 0.05$) based on posterior distribution of the Bayesian population estimate for coho adults, 2009.

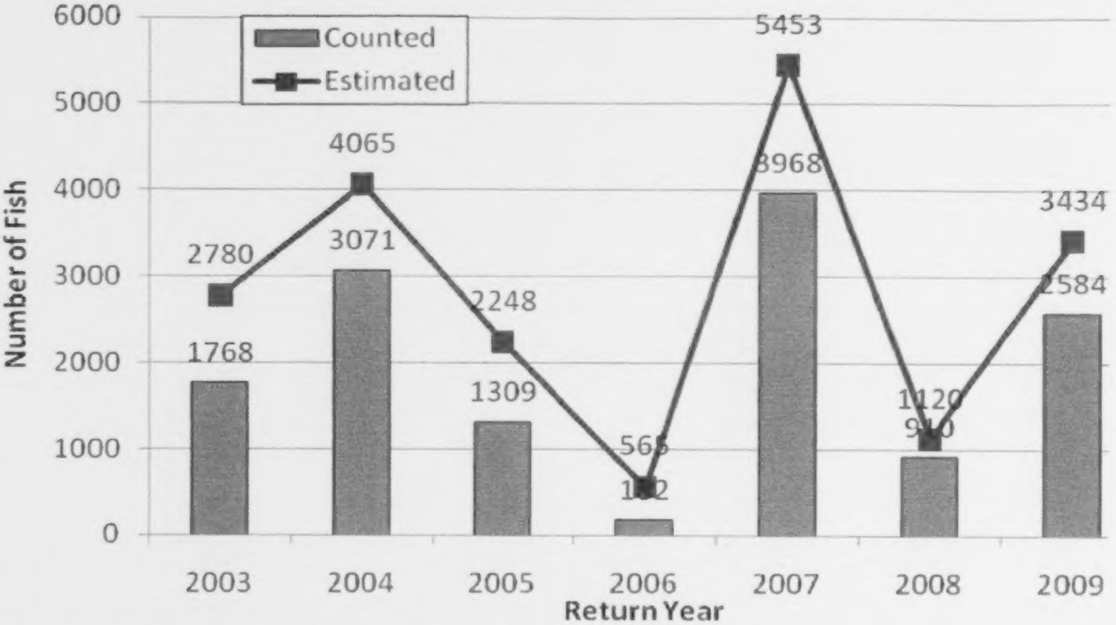

Figure 12. Black Creek adult coho fence counts and Bayesian population estimates, 2003-2009.

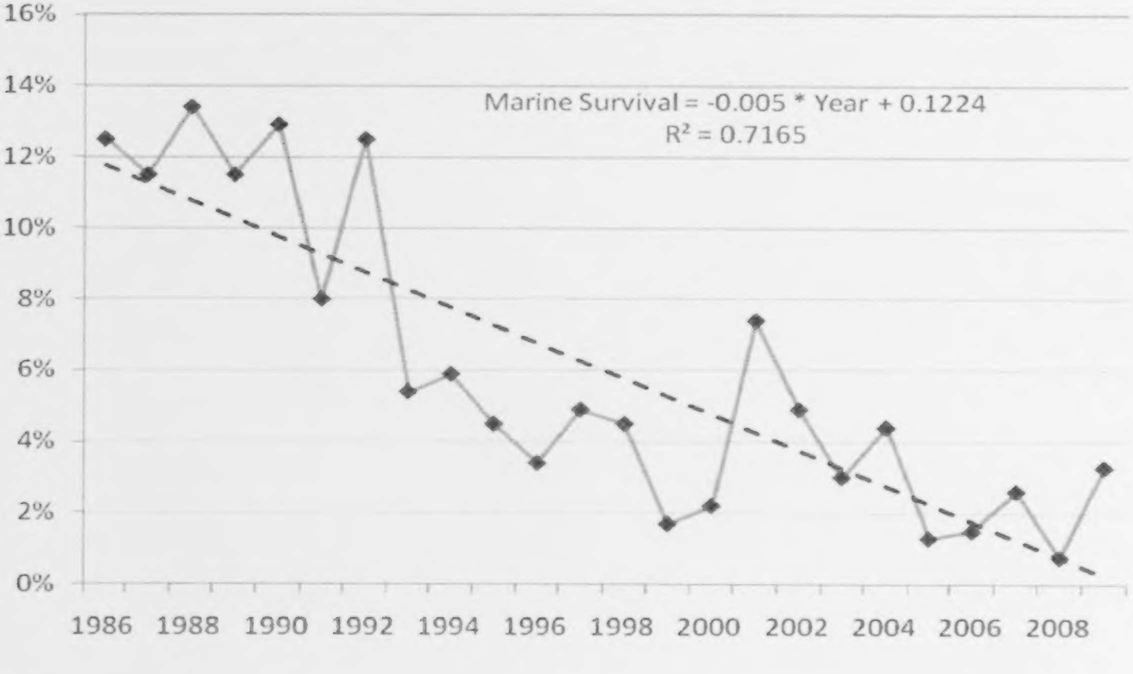

Figure 13. Trend in Black Creek adult coho marine survival, by return year, 1986-2009.

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APPENDICES

Appendix A. Daily water level and temperature during the 2009 spring outmigration.

Date	Day	Water Temp	Air Temp	Water Level	Weather	Comments
7-Apr	Tue	6.0	13.0	74	Sunny	
8-Apr	Wed	7.0	11.0	72	Sunny/Cloudy	
9-Apr	Thu	8.0	11.0	72	Cloudy	
10-Apr	Fri	8.0	11.5	70	Sunny	
11-Apr	Sat	8.0	12.0	70	Sunny	
12-Apr	Sun	8.5	10.5	69	Rainy	
13-Apr	Mon	6.5	10.0	70	Sunny	
14-Apr	Tue	6.0	10.0	70	Sunny	
15-Apr	Wed	7.5	10.0	68	Sunny	
16-Apr	Thu	8.5	14.0	67	Cloudy	
17-Apr	Fri	10.0	15.0	70	Sunny	
18-Apr	Sat	9.8	12.0	68	Cloudy	
19-Apr	Sun	9.6	13.0	68.5	Rainy	Cleand Screen and holding box screen and overflow
20-Apr	Mon	10.2	13.0	66	Cloudy	
21-Apr	Tue	9.3	11.0	65	Cloudy	
22-Apr	Wed	8.0	11.0	66	Sunny	Overnight rain
23-Apr	Thu					
24-Apr	Fri					
25-Apr	Sat	8.4	8.0	62	Sunny	
26-Apr	Sun	8.2	8.1	59	Sunny	Continous drop in water level
27-Apr	Mon	9.2	15.0	58	Sunny	Box open, water still dropping
28-Apr	Tue	9.1	15.0	57	Sunny	Water low- no fishing from box
29-Apr	Wed	9.6	15.0		Sunny	Tarpped and dammed fence
30-Apr	Thu					
1-May	Fri	12.0	16.0	62		
2-May	Sat	9.1	13.0	60	Cloudy	
3-May	Sun	9.1	12.0	60	Sunny	
4-May	Mon	9.7	10.0	60	Rainy	
5-May	Tue	10.3	11.0	80	Cloudy/Rainy	Large rise in water level (20cm)
6-May	Wed	9.9	10.6	86	Cloudy/Rainy	Scaled 25 & measured length, rest were given CWT
7-May	Thu	10.0	14.0	85		
8-May	Fri	11.0	14.0	87		
9-May	Sat	10.0	12.0	84	Sunny	Water level high then dropped
10-May	Sun	10.6	13.0	79	Sunny/Cloudy	

11-May	Mon	12.0	13.0	78		
12-May	Tue	10.1	12.0	76	Sunny/Cloudy	
13-May	Wed	10.7		72	Cloudy	
14-May	Thu	9.6	12.0	74	Sunny	
15-May	Fri					
16-May	Sat	12.4	16.0	67	Cloudy	
17-May	Sun	12.8	16.0	65	Cloudy	
18-May	Mon	13.6	13.0	64	Cloudy	Overnight rain
19-May	Tue	11.8	14.0	65	Cloudy	
20-May	Wed	11.3	12.0	68	Cloudy	
21-May	Thu	11.0	15.0	66		
22-May	Fri	12.0	17.0			
23-May	Sat	12.0	15.0	62	Sunny	
24-May	Sun		13.0	60	Sunny	2545 released, 180 L/W
25-May	Mon	12.0	18.0	60	Sunny	
26-May	Tue	12.9	14.5	59	Cloudy	
27-May	Wed	11.9	18.5	57	Sunny	2-trout, 180 L/W
28-May	Thu					
29-May	Fri	13.0	18.0	54		
30-May	Sat	13.7	15.0	56	Cloudy	119 L/W
31-May	Sun	13.6	19.0	56	Sunny	110 L/W
1-Jun	Mon	13.7	16.0	53	Sunny	
2-Jun	Tue	14.7	18.0	52	Sunny	
3-Jun	Wed	14.5	15.0	51	Sunny	
4-Jun	Thu					
5-Jun	Fri					
6-Jun	Sat					
7-Jun	Sun	16.3	20.0	47		No water in box, pannel pulled

Appendix B. Daily catch of coho smolts and fry at the Black Creek fence, 2009.

Date	Total Trap Smolts	Pre-Sample Morts	CWT Releases	CWT Morts	Not CWT'd	Total Smolts Released	% CWT	Total Trap Fry Released
7-Apr	3	0	0	0	3	3	0%	
8-Apr	2	0	0	0	2	2	0%	
9-Apr	2	0	0	0	2	2	0%	
10-Apr	0	0	0	0	0	0		
11-Apr	5	0	0	0	5	5	0%	
12-Apr	4	0	0	0	4	4	0%	
13-Apr	5	0	0	0	5	5	0%	
14-Apr	6	0	0	0	6	5	0%	1
15-Apr	2	0	0	0	2	2	0%	3
16-Apr	8	0	0	0	8	8	0%	2
17-Apr	8	0	0	0	8	8	0%	1
18-Apr	11	0	0	0	11	11	0%	5
19-Apr	10	0	0	0	10	10	0%	
20-Apr	13	0	0	0	13	13	0%	2
21-Apr	18	0	0	0	18	18	0%	
22-Apr	34	0	0	0	34	34	0%	
23-Apr	14	0	0	0	14	14	0%	2
24-Apr	33	0	0	0	33	33	0%	4
25-Apr	19	0	0	0	19	19	0%	3
26-Apr	23	0	0	0	23	23	0%	2
27-Apr	29	0	0	0	29	29	0%	
28-Apr	0	0	0	0	0	0		
29-Apr	0	0	0	0	0	0		
30-Apr	690	0	0	0	690	690	0%	2
1-May	1774	14	1187	9	564	1751	68%	3
2-May	2055	0	0	0	2055	2055	0%	10
3-May	1460	0	0	0	1460	1460	0%	
4-May	2563	0	0	0	2563	2563	0%	3
5-May	3190	1	540	0	2649	3189	17%	2
6-May	1641	4	1523	0	114	1637	93%	33
7-May	719	0	673	0	46	719	94%	
8-May	792	2	771	0	19	790	98%	6
9-May	661	0	0	0	661	661	0%	
10-May	2530	0	0	0	2530	2530	0%	
11-May	2445	0	2385	0	60	2445	98%	3
12-May	2345	0	0	0	2345	2345	0%	12

Date	Total Trap Smolts	Pre-Sample Morts	CWT Releases	CWT Morts	Not CWT'd	Total Smolts Released	% CWT	Total Trap Fry Released
13-May	2230	0	0	0	2230	2230	0%	
14-May	2917	0	0	0	2917	2917	0%	
15-May	3867	0	0	0	3867	3867	0%	2
16-May	2325	0	0	0	2325	2325	0%	
17-May	4320	0	0	0	4320	4320	0%	
18-May	2368	0	0	0	2368	2368	0%	
19-May	4734	3	1829	0	2902	4731	39%	
20-May	3309	0	1685	0	1624	3309	51%	1
21-May	1531	4	1485	2	40	1525	97%	0
22-May	2294	1	2279	7	7	2286	99%	1
23-May	2220	0	0	0	2220	2220	0%	
24-May	1410	0	0	0	1410	1410	0%	3
25-May	2630	0	0	0	2630	2630	0%	
26-May	1751	0	0	0	1751	1751	0%	
27-May	2539	11	2308	0	220	2528	91%	
28-May	1802	5	1541	0	256	1797	86%	1
29-May	892	5	843	0	44	887	95%	1
30-May	460	0	0	0	460	460	0%	
31-May	890	0	0	0	890	890	0%	
1-Jun	557	0	0	0	557	557	0%	
2-Jun	297	0	0	0	297	297	0%	
3-Jun	0	0	0	0	0	0		
4-Jun	0	0	0	0	0	0		
5-Jun	60	0	60	0	0	60	100%	
6-Jun	0	0	0	0	0	0		
7-Jun	0	0	0	0	0	0		
Totals	**68517**	**50**	**19109**	**18**	**49340**	**68448**	**27.90%**	**108**

Appendix C. Daily catch of other species at the Black Creek out-migration fence, 2009.

Date	CUT Adult	CUT Juv	CUT Total	*All incidental catch released	Note
7-Apr	7	0	7	7	
8-Apr	3	0	3	3	
9-Apr	38	0	38	38	
10-Apr	38	0	38	38	
11-Apr	31	0	31	31	
12-Apr	28	0	28	28	
13-Apr	44	0	44	44	
14-Apr	5	0	5	6	
15-Apr	7	0	7	10	
16-Apr	14	0	14	18	
17-Apr	29	0	29	30	
18-Apr	38	0	38	40	1 rainbow
19-Apr	22	0	22	24	
20-Apr	35	0	35	35	
21-Apr	37	0	37	39	1 rainbow
22-Apr	15	0	15	15	
23-Apr	16	0	16	17	1 Lamprey
24-Apr	21	0	21	21	
25-Apr	16	0	16	16	
26-Apr	19	0	19	19	
27-Apr	1	0	1	1	
28-Apr	0	0	0	0	Water too low, no catch
29-Apr	0	0	0	0	Water too low, no catch; put tarps on panels to backwater up
30-Apr	63	0	63	67	1 rainbow, 2 lamprey
1-May	107	0	107	123	1 lamprey
2-May	60	0	60	60	
3-May	64	0	64	66	1 Lamprey
4-May	108	0	108	108	
5-May	105	0	105	111	
6-May	57	0	57	69	1 rainbow, 1 lamprey
7-May	30	0	30	39	
8-May	31	0	31	36	
9-May	28	0	28	33	

10-May	90	0	90	94	
11-May	61	0	61	64	
12-May	41	0	41	44	
13-May	60	0	60	61	
14-May	40	0	40	40	
15-May	45	0	45	56	1 lamprey
16-May	87	0	87	93	2 lamprey
17-May	0	0	0	10	4 lamprey
18-May	67	0	67	67	
19-May	24	0	24	31	2 lamprey
20-May	26	0	26	28	1lamprey
21-May	10	0	10	12	1lamprey
22-May	17	0	17	18	
23-May	27	0	27	27	
24-May	25	0	25	25	
25-May	0	0	0	0	
26-May	10	0	10	11	1 lamprey
27-May	9	3	12	13	
28-May	1	0	1	1	
29-May	6	3	9	13	1 lamprey
30-May	0	0	0	0	
31-May	5	0	5	6	
1-Jun	0	0	0	6	
2-Jun	0	0	0	0	2 lamprey
3-Jun	0	0	0	0	
4-Jun	0	0	0	0	
5-Jun	0	0	0	0	
6-Jun	0	0	0	0	
7-Jun	0	0	0	0	
Totals	**1768**	**6**	**1774**	**1912**	

Appendix D. Individual coho smolt length (mm), weight (g), and scale age, 2009.

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
1	6-May-09	71016	1	128	11.0	33	20	
2	6-May-09	71016	2	127	10.7	22	10	
3	6-May-09	71016	3	140	14.0	0M	M0	RG
4	6-May-09	71016	4	110	7.2	22	10	
5	6-May-09	71016	5	120	9.2	22	10	
6	6-May-09	71016	6	125	10.3	22	10	
7	6-May-09	71016	7	95	4.9	22	10	
8	6-May-09	71016	8	98	5.3	22	10	
9	6-May-09	71016	9	105	6.4	0M	M0	RG
10	6-May-09	71016	10	112	7.6	22	10	
11	6-May-09	71016	11	92	4.4	22	10	
12	6-May-09	71016	12	95	4.9	22	10	
13	6-May-09	71016	13	125	10.3	22	10	
14	6-May-09	71016	14	105	6.4	22	10	
15	6-May-09	71016	15	103	6.1	22	10	
16	6-May-09	71016	16	115	8.2	22	10	
17	6-May-09	71016	17	90	4.2	22	10	
18	6-May-09	71016	18	87	3.8	22	10	
19	6-May-09	71016	19	105	6.4	22	10	
20	6-May-09	71016	20	126	10.5	22	10	
21	6-May-09	71016	21	124	10.1	22	10	
22	6-May-09	71016	22	112	7.6	33	20	
23	6-May-09	71016	23	113	7.8	22	10	
24	6-May-09	71016	24	104	6.2	22	10	
25	6-May-09	71016	25	107	6.7	22	10	
26	9-May-09	71017	1	125	10.3	0M	M0	RG
27	9-May-09	71017	2	100	5.6	22	10	
28	9-May-09	71017	3	125	10.3	0M	M0	RG
29	9-May-09	71017	4	105	6.4	22	10	
30	9-May-09	71017	5	105	6.4	22	10	
31	9-May-09	71017	6	105	6.4	0M	M0	RG
32	9-May-09	71017	7	105	6.4	22	10	
33	9-May-09	71017	8	105	6.4	22	10	
34	9-May-09	71017	9	100	5.6	0M	M0	RG
35	9-May-09	71017	10	125	10.3	22	10	
36	9-May-09	71017	11	125	10.3	22	10	
37	9-May-09	71017	12	135	12.7	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
38	9-May-09	71017	13	115	8.2			UD
39	9-May-09	71017	14	115	8.2	22	10	
40	9-May-09	71017	15	130	11.4			NS
41	9-May-09	71017	16	125	10.3	33	20	
42	9-May-09	71017	17	95	4.9	22	10	
43	9-May-09	71017	18	102	5.9	22	10	
44	9-May-09	71017	19	88	3.9	22	10	
45	9-May-09	71017	20	110	7.2	22	10	
46	9-May-09	71017	21	125	10.3	22	10	
47	9-May-09	71017	22	114	8.0	22	10	
48	9-May-09	71017	23	94	4.7	22	10	
49	9-May-09	71017	24	137	13.2	22	10	
50	9-May-09	71017	25	115	8.2	22	10	
51	10-May-09	71018	1	125	10.3	22	10	
52	10-May-09	71018	2	120	9.2	22	10	
53	10-May-09	71018	3	105	6.4	22	10	
54	10-May-09	71018	4	100	5.6	22	10	
55	10-May-09	71018	5	103	6.1	22	10	
56	10-May-09	71018	6	118	8.8	22	10	
57	10-May-09	71018	7	110	7.2	22	10	
58	10-May-09	71018	8	92	4.4	22	10	
59	10-May-09	71018	9	114	8.0	22	10	
60	10-May-09	71018	10	94	4.7	22	10	
61	10-May-09	71018	11	105	6.4	22	10	
62	10-May-09	71018	12	99	5.4	22	10	
63	10-May-09	71018	13	136	13.0	22	10	
64	10-May-09	71018	14	120	9.2	22	10	
65	10-May-09	71018	15	106	6.5	22	10	
66	10-May-09	71018	16	110	7.2	22	10	
67	10-May-09	71018	17	126	10.5	22	10	
68	10-May-09	71018	18	120	9.2	22	10	
69	10-May-09	71018	19	95	4.9	22	10	
70	10-May-09	71018	20	100	5.6	22	10	
71	10-May-09	71018	21	95	4.9	22	10	
72	10-May-09	71018	22	132	11.9	33	20	
73	10-May-09	71018	23	125	10.3	0M	M0	RG
74	10-May-09	71018	24	122	9.6	22	10	
75	10-May-09	71018	25	124	10.1	0M	M0	RG
76	12-May-09	71019	1	188	31.4	33	20	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
77	12-May-09	71019	2	125	10.3	22	10	
78	12-May-09	71019	3	115	8.2	0M	M0	RG
79	12-May-09	71019	4	125	10.3	22	10	
80	12-May-09	71019	5	116	8.4	0M	M0	RG
81	12-May-09	71019	6	125	10.3	22	10	
82	12-May-09	71019	7	95	4.9	22	10	
83	12-May-09	71019	8	125	10.3			UD
84	12-May-09	71019	9	118	8.8	0M	M0	RG
85	12-May-09	71019	10	122	9.6	22	10	
86	12-May-09	71019	11	122	9.6	22	10	
87	12-May-09	71019	12	115	8.2	22	10	
88	12-May-09	71019	13	120	9.2	22	10	
89	12-May-09	71019	14	120	9.2	33	20	
90	12-May-09	71019	15	122	9.6	22	10	
91	12-May-09	71019	16	126	10.5	22	10	
92	12-May-09	71019	17	118	8.8	22	10	
93	12-May-09	71019	18	90	4.2	22	10	
94	12-May-09	71019	19	95	4.9	22	10	
95	12-May-09	71019	20	110	7.2	22	10	
96	12-May-09	71019	21	108	6.9	22	10	
97	12-May-09	71019	22	112	7.6	0M	M0	RG
98	12-May-09	71019	23	112	7.6	0M	M0	RG
99	12-May-09	71019	24	86	3.7	0M	M0	RG
100	12-May-09	71019	25	105	6.4	22	10	
101	13-May-09	71020	1	117	8.6	22	10	
102	13-May-09	71020	2	115	8.2	22	10	
103	13-May-09	71020	3	120	9.2	0M	M0	RG
104	13-May-09	71020	4	97	5.1	22	10	
105	13-May-09	71020	5	116	8.4	22	10	
106	13-May-09	71020	6	91	4.3	22	10	
107	13-May-09	71020	7	116	8.4	22	10	
108	13-May-09	71020	8	124	10.1	22	10	
109	13-May-09	71020	9	115	8.2	22	10	
110	13-May-09	71020	10	125	10.3	22	10	
111	13-May-09	71020	11	162	20.9	33	20	
112	13-May-09	71020	12	100	5.6	0M	M0	RG
113	13-May-09	71020	13	86	3.7	22	10	
114	13-May-09	71020	14	125	10.3	22	10	
115	13-May-09	71020	15	192	33.3	33	20	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
116	13-May-09	71020	16	189	31.9	33	20	
117	13-May-09	71020	17	198	36.2	33	20	
118	13-May-09	71020	18	187	31.0	0M	M0	RG
119	13-May-09	71020	19	86	3.7	22	10	
120	13-May-09	71020	20	98	5.3	22	10	
121	13-May-09	71020	21	179	27.5			RG
122	13-May-09	71020	22	115	8.2	22	10	
123	13-May-09	71020	23	98	5.3	22	10	
124	13-May-09	71020	24	95	4.9	22	10	
125	13-May-09	71020	25	100	5.6	0M	M0	RG
126	13-May-09	71021	1	104	6.2	22	10	
127	13-May-09	71021	2	109	7.1	22	10	
128	13-May-09	71021	3	96	5.0	22	10	
129	13-May-09	71021	4	115	8.2	22	10	
130	13-May-09	71021	5	100	5.6	22	10	
131	13-May-09	71021	6	119	9.0	22	10	
132	13-May-09	71021	7	105	6.4	22	10	
133	13-May-09	71021	8	116	8.4	22	10	
134	13-May-09	71021	9	107	6.7	22	10	
135	13-May-09	71021	10	123	9.8	22	10	
136	13-May-09	71021	11	94	4.7	22	10	
137	13-May-09	71021	12	100	5.6	22	10	
138	13-May-09	71021	13	120	9.2	22	10	
139	13-May-09	71021	14	85	3.6	22	10	
140	13-May-09	71021	15	177	26.6	33	20	
141	14-May-09	71021	16	95	4.9	22	10	
142	14-May-09	71021	17	83	3.4	0M	M0	RG
143	14-May-09	71021	18	88	3.9	0M	M0	RG
144	14-May-09	71021	19	92	4.4	22	10	
145	14-May-09	71021	20	89	4.1	22	10	
146	14-May-09	71021	21	100	5.6	22	10	
147	14-May-09	71021	22	104	6.2	22	10	
148	14-May-09	71021	23	96	5.0	0M	M0	RG
149	14-May-09	71021	24	116	8.4	22	10	
150	14-May-09	71021	25	110	7.2	22	10	
151	14-May-09	71022	1	105	6.4			UD
152	14-May-09	71022	2	101	5.7	22	10	
153	14-May-09	71022	3	108	6.9	22	10	
154	14-May-09	71022	4	115	8.2	0M	M0	RG

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
155	14-May-09	71022	5	108	6.9	0M	M0	RG
156	14-May-09	71022	6	122	9.6	22	10	
157	14-May-09	71022	7	85	3.6	22	10	
158	14-May-09	71022	8	109	7.1	22	10	
159	14-May-09	71022	9	109	7.1	0M	M0	RG
160	14-May-09	71022	10	114	8.0	33	20	
161	14-May-09	71022	11	94	4.7	0M	M0	RG
162	14-May-09	71022	12	114	8.0	0M	M0	RG
163	14-May-09	71022	13	92	4.4	22	10	
164	14-May-09	71022	14	105	6.4	22	10	
165	14-May-09	71022	15	103	6.1	22	10	
166	14-May-09	71022	16	99	5.4	22	10	
167	14-May-09	71022	17	90	4.2	22	10	
168	14-May-09	71022	18	79	2.9	22	10	
169	14-May-09	71022	19	95	4.9	22	10	
170	14-May-09	71022	20	93	4.6	22	10	
171	14-May-09	71022	21	178	27.1	0M	M0	RG
172	14-May-09	71022	22	98	5.3	22	10	
173	14-May-09	71022	23	75	2.5	22	10	
174	14-May-09	71022	24	106	6.5	22	10	
175	14-May-09	71022	25	97	5.1	22	10	
176	14-May-09	71023	1	88	3.9	22	10	
177	14-May-09	71023	2	89	4.1	0M	M0	RG
178	14-May-09	71023	3	89	4.1	22	10	
179	14-May-09	71023	4	88	3.9	22	10	
180	14-May-09	71023	5	85	3.6	22	10	
181	14-May-09	71023	6	88	3.9	22	10	
182	14-May-09	71023	7	89	4.1	22	10	
183	14-May-09	71023	8	90	4.2	22	10	
184	14-May-09	71023	9	95	4.9	22	10	
185	14-May-09	71023	10	100	5.6	22	10	
186	14-May-09	71023	11	106	6.5	22	10	
187	14-May-09	71023	12	109	7.1	22	10	
188	14-May-09	71023	13	105	6.4	22	10	
189	14-May-09	71023	14	113	7.8	22	10	
190	14-May-09	71023	15	90	4.2	0M	M0	RG
191	14-May-09	71023	16	109	7.1	22	10	
192	14-May-09	71023	17	97	5.1	22	10	
193	14-May-09	71023	18	104	6.2	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
194	14-May-09	71023	19	89	4.1	22	10	
195	14-May-09	71023	20	108	6.9	22	10	
196	14-May-09	71023	21	103	6.1	22	10	
197	14-May-09	71023	22	110	7.2	0M	M0	RG
198	14-May-09	71023	23	91	4.3	22	10	
199	14-May-09	71023	24	105	6.4	22	10	
200	14-May-09	71023	25	93	4.6	0M	M0	RG
201	17-May-09	71024	1	102	5.9	22	10	
202	17-May-09	71024	2	92	4.4	22	10	
203	17-May-09	71024	3	95	4.9	22	10	
204	17-May-09	71024	4	103	6.1	22	10	
205	17-May-09	71024	5	98	5.3	22	10	
206	17-May-09	71024	6	105	6.4	22	10	
207	17-May-09	71024	7	113	7.8	22	10	
208	17-May-09	71024	8	97	5.1	22	10	
209	17-May-09	71024	9	89	4.1	22	10	
210	17-May-09	71024	10	92	4.4	22	10	
211	17-May-09	71024	11	100	5.6	22	10	
212	17-May-09	71024	12	115	8.2	22	10	
213	17-May-09	71024	13	110	7.2	22	10	
214	17-May-09	71024	14	120	9.2	22	10	
215	17-May-09	71024	15	106	6.5	22	10	
216	17-May-09	71024	16	105	6.4	22	10	
217	17-May-09	71024	17	90	4.2	22	10	
218	17-May-09	71024	18	97	5.1	22	10	
219	17-May-09	71024	19	87	3.8	22	10	
220	17-May-09	71024	20	30	0.2			
221	18-May-09	71024	21	103	6.1	22	10	
222	18-May-09	71024	22	119	9.0	22	10	
223	18-May-09	71024	23	105	6.4	22	10	
224	18-May-09	71024	24	90	4.2	22	10	
225	18-May-09	71024	25	84	3.5	22	10	
226	18-May-09	71025	1	100	5.6	22	10	
227	18-May-09	71025	2	95	4.9	22	10	
228	18-May-09	71025	3	105	6.4	22	10	
229	18-May-09	71025	4	110	7.2	22	10	
230	18-May-09	71025	5	97	5.1	22	10	
231	18-May-09	71025	6	99	5.4	22	10	
232	18-May-09	71025	7	93	4.6	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
233	18-May-09	71025	8	90	4.2	22	10	
234	18-May-09	71025	9	116	8.4	22	10	
235	18-May-09	71025	10	110	7.2	22	10	
236	18-May-09	71025	11	87	3.8	22	10	
237	18-May-09	71025	12	92	4.4	22	10	
238	18-May-09	71025	13	96	5.0	22	10	
239	18-May-09	71025	14	112	7.6	22	10	
240	18-May-09	71025	15	106	6.5	22	10	
241	18-May-09	71025	16	128	11.0	22	10	
242	18-May-09	71025	17	106	6.5	22	10	
243	18-May-09	71025	18	89	4.1	22	10	
244	18-May-09	71025	19	103	6.1	22	10	
245	18-May-09	71025	20	104	6.2	22	10	
246	18-May-09	71025	21	109	7.1	22	10	
247	18-May-09	71025	22	100	5.6	22	10	
248	18-May-09	71025	23	93	4.6	22	10	
249	18-May-09	71025	24	84	3.5	22	10	
250	18-May-09	71025	25	96	5.0	22	10	
251	18-May-09	71026	1	101	5.7	0M	M0	RG
252	18-May-09	71026	2	103	6.1	0M	M0	RG
253	18-May-09	71026	3	105	6.4	22	10	
254	18-May-09	71026	4	92	4.4	22	10	
255	18-May-09	71026	5	103	6.1	0M	M0	RG
256	18-May-09	71026	6	98	5.3	22	10	
257	18-May-09	71026	7	104	6.2	22	10	
258	18-May-09	71026	8	95	4.9			UD
259	18-May-09	71026	9	88	3.9	22	10	
260	18-May-09	71026	10	90	4.2	22	10	
261	18-May-09	71026	11	87	3.8	22	10	
262	18-May-09	71026	12	110	7.2	22	10	
263	18-May-09	71026	13	105	6.4	22	10	
264	18-May-09	71026	14	118	8.8	22	10	
265	18-May-09	71026	15	103	6.1	22	10	
266	18-May-09	71026	16	109	7.1	22	10	
267	18-May-09	71026	17	92	4.4	22	10	
268	18-May-09	71026	18	105	6.4			UD
269	18-May-09	71026	19	102	5.9	22	10	
270	18-May-09	71026	20	88	3.9	22	10	
271	18-May-09	71026	21	97	5.1	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
272	18-May-09	71026	22	107	6.7	0M	M0	RG
273	18-May-09	71026	23	97	5.1	22	10	
274	18-May-09	71026	24	120	9.2	22	10	
275	18-May-09	71026	25	95	4.9	22	10	
276	20-May-09	71027	1	110	7.2	22	10	
277	20-May-09	71027	2	103	6.1	22	10	
278	20-May-09	71027	3	98	5.3	22	10	
279	20-May-09	71027	4	94	4.7	22	10	
280	20-May-09	71027	5	103	6.1	22	10	
281	20-May-09	71027	6	92	4.4	22	10	
282	20-May-09	71027	7	90	4.2			UD
283	20-May-09	71027	8	93	4.6	0M	M0	RG
284	20-May-09	71027	9	86	3.7	22	10	
285	20-May-09	71027	10	91	4.3	22	10	
286	20-May-09	71027	11	92	4.4	0M	M0	RG
287	20-May-09	71027	12	105	6.4	22	10	
288	20-May-09	71027	13	90	4.2	22	10	
289	20-May-09	71027	14	93	4.6	22	10	
290	20-May-09	71027	15	88	3.9			UD
291	20-May-09	71027	16	82	3.2	22	10	
292	20-May-09	71027	17	101	5.7	0M	M0	RG
293	20-May-09	71027	18	94	4.7	22	10	
294	20-May-09	71027	19	103	6.1	22	10	
295	20-May-09	71027	20	78	2.8			UD
296	20-May-09	71027	21	96	5.0	22	10	
297	20-May-09	71027	22	98	5.3	22	10	
298	20-May-09	71027	23	102	5.9	22	10	
299	20-May-09	71027	24	99	5.4	0M	M0	RG
300	20-May-09	71027	25	84	3.5	22	10	
301	25-May-09	71028	1	87	3.8			UD
302	25-May-09	71028	2	102	5.9	22	10	
303	25-May-09	71028	3	96	5.0	22	10	
304	25-May-09	71028	4	100	5.6	22	10	
305	25-May-09	71028	5	119	9.0			UD
306	25-May-09	71028	6	105	6.4	22	10	
307	25-May-09	71028	7	106	6.5	22	10	
308	25-May-09	71028	8	105	6.4	22	10	
309	25-May-09	71028	9	102	5.9	0M	M0	RG
310	25-May-09	71028	10	103	6.1	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
311	25-May-09	71028	11	104	6.2	22	10	
312	25-May-09	71028	12	92	4.4	22	10	
313	25-May-09	71028	13	85	3.6	22	10	
314	25-May-09	71028	14	95	4.9	22	10	
315	25-May-09	71028	15	98	5.3	0M	M0	RG
316	25-May-09	71028	16	87	3.8	22	10	
317	25-May-09	71028	17	103	6.1	22	10	
318	25-May-09	71028	18	102	5.9	22	10	
319	25-May-09	71028	19	83	3.4	22	10	
320	25-May-09	71028	20	92	4.4	22	10	
321	25-May-09	71028	21	100	5.6	22	10	
322	25-May-09	71028	22	82	3.2	22	10	
323	25-May-09	71028	23	96	5.0	22	10	
324	25-May-09	71028	24	130	11.4	0M	M0	RG
325	25-May-09	71028	25	160	20.2			UD
326	26-May-09	71029	1	95	4.9	22	10	
327	26-May-09	71029	2	90	4.2	22	10	
328	26-May-09	71029	3	100	5.6	22	10	
329	26-May-09	71029	4	117	8.6	22	10	
330	26-May-09	71029	5	92	4.4	22	10	
331	26-May-09	71029	6	98	5.3	22	10	
332	26-May-09	71029	7	95	4.9	22	10	
333	26-May-09	71029	8	96	5.0	22	10	
334	26-May-09	71029	9	95	4.9	22	10	
335	26-May-09	71029	10	96	5.0	22	10	
336	26-May-09	71029	11	99	5.4	22	10	
337	26-May-09	71029	12	97	5.1	22	10	
338	26-May-09	71029	13	102	5.9	22	10	
339	26-May-09	71029	14	100	5.6	22	10	
340	26-May-09	71029	15	192	33.3	33	20	
341	26-May-09	71029	16	104	6.2	0M	M0	RG
342	26-May-09	71029	17	205	39.8	33	20	
343	26-May-09	71029	18	82	3.2	22	10	
344	26-May-09	71029	19	94	4.7	22	10	
345	26-May-09	71029	20	86	3.7	22	10	
346	26-May-09	71029	21	91	4.3	22	10	
347	26-May-09	71029	22	96	5.0	22	10	
348	26-May-09	71029	23	96	5.0	22	10	
349	26-May-09	71029	24	104	6.2	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
350	26-May-09	71029	25	91	4.3	22	10	
351	1-Jun-09	71030	1	102	5.9	22	10	
352	1-Jun-09	71030	2	89	4.1	22	10	
353	1-Jun-09	71030	3	101	5.7	22	10	
354	1-Jun-09	71030	4	82	3.2	22	10	
355	1-Jun-09	71030	5	97	5.1	22	10	
356	1-Jun-09	71030	6	93	4.6			UD
357	1-Jun-09	71030	7	82	3.2	22	10	
358	1-Jun-09	71030	8	97	5.1	22	10	
359	1-Jun-09	71030	9	87	3.8	22	10	
360	1-Jun-09	71030	10	94	4.7	22	10	
361	1-Jun-09	71030	11	97	5.1	22	10	
362	1-Jun-09	71030	12	102	5.9	0M	M0	RG
363	1-Jun-09	71030	13	78	2.8	22	10	
364	1-Jun-09	71030	14	87	3.8	22	10	
365	1-Jun-09	71030	15	95	4.9	22	10	
366	1-Jun-09	71030	16	91	4.3	22	10	
367	1-Jun-09	71030	17	90	4.2	22	10	
368	1-Jun-09	71030	18	92	4.4	22	10	
369	1-Jun-09	71030	19	90	4.2	22	10	
370	1-Jun-09	71030	20	93	4.6	22	10	
371	1-Jun-09	71030	21	90	4.2	22	10	
372	1-Jun-09	71030	22	90	4.2	22	10	
373	1-Jun-09	71030	23	85	3.6	0M	M0	RG
374	1-Jun-09	71030	24	90	4.2	22	10	
375	1-Jun-09	71030	25	93	4.6	0M	M0	RG
376	1-Jun-09	71031	1	95	4.9	22	10	
377	1-Jun-09	71031	2	88	3.9	22	10	
378	1-Jun-09	71031	3	92	4.4	22	10	
379	1-Jun-09	71031	4	95	4.9	22	10	
380	1-Jun-09	71031	5	90	4.2	22	10	
381	1-Jun-09	71031	6	80	3.0	22	10	
382	1-Jun-09	71031	7	80	3.0	22	10	
383	1-Jun-09	71031	8	91	4.3	0M	M0	RG
384	1-Jun-09	71031	9	90	4.2	22	10	
385	1-Jun-09	71031	10	90	4.2	0M	M0	RG
386	1-Jun-09	71031	11	92	4.4	22	10	
387	1-Jun-09	71031	12	94	4.7	0M	M0	RG
388	1-Jun-09	71031	13	98	5.3	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
389	1-Jun-09	71031	14	110	7.2	22	10	
390	1-Jun-09	71031	15	94	4.7	22	10	
391	1-Jun-09	71031	16	95	4.9	22	10	
392	1-Jun-09	71031	17	93	4.6	22	10	
393	1-Jun-09	71031	18	92	4.4	0M	M0	RG
394	1-Jun-09	71031	19	94	4.7	0M	M0	RG
395	1-Jun-09	71031	20	99	5.4	22	10	
396	1-Jun-09	71031	21	93	4.6	22	10	
397	1-Jun-09	71031	22	90	4.2	22	10	
398	1-Jun-09	71031	23	93	4.6	22	10	
399	1-Jun-09	71031	24	92	4.4	22	10	
400	1-Jun-09	71031	25	92	4.4	22	10	
401	2-Jun-09	71032	1	95	4.9	22	10	
402	2-Jun-09	71032	2	83	3.4	22	10	
403	2-Jun-09	71032	3	90	4.2	22	10	
404	2-Jun-09	71032	4	104	6.2	22	10	
405	2-Jun-09	71032	5	96	5.0	22	10	
406	2-Jun-09	71032	6	95	4.9	22	10	
407	2-Jun-09	71032	7	104	6.2	22	10	
408	2-Jun-09	71032	8	98	5.3	22	10	
409	2-Jun-09	71032	9	104	6.2	22	10	
410	2-Jun-09	71032	10	97	5.1	22	10	
411	2-Jun-09	71032	11	78	2.8	22	10	
412	2-Jun-09	71032	12	88	3.9	22	10	
413	2-Jun-09	71032	13	95	4.9	22	10	
414	2-Jun-09	71032	14	81	3.1	22	10	
415	2-Jun-09	71032	15	85	3.6	22	10	
416	2-Jun-09	71032	16	87	3.8	22	10	
417	2-Jun-09	71032	17	84	3.5	22	10	
418	2-Jun-09	71032	18	88	3.9	22	10	
419	2-Jun-09	71032	19	94	4.7	22	10	
420	2-Jun-09	71032	20	101	5.7	22	10	
421	2-Jun-09	71032	21	80	3.0	22	10	
422	2-Jun-09	71032	22	105	6.4	22	10	
423	2-Jun-09	71032	23	83	3.4	22	10	
424	2-Jun-09	71032	24	95	4.9	22	10	
425	2-Jun-09	71032	25	90	4.2	22	10	
426	3-Jun-09	71033	1	95	4.9	22	10	
427	3-Jun-09	71033	2	90	4.2	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
428	3-Jun-09	71033	3	92	4.4	22	10	
429	3-Jun-09	71033	4	89	4.1	22	10	
430	3-Jun-09	71033	5	90	4.2	22	10	
431	3-Jun-09	71033	6	102	5.9	22	10	
432	3-Jun-09	71033	7	84	3.5			UD
433	3-Jun-09	71033	8	91	4.3	0M	M0	RG
434	3-Jun-09	71033	9	92	4.4	22	10	
435	3-Jun-09	71033	10	89	4.1	22	10	
436	3-Jun-09	71033	11	81	3.1	22	10	
437	3-Jun-09	71033	12	84	3.5	0M	M0	RG
438	3-Jun-09	71033	13	97	5.1	22	10	
439	3-Jun-09	71033	14	95	4.9	22	10	
440	3-Jun-09	71033	15	92	4.4	22	10	
441	3-Jun-09	71033	16	88	3.9	22	10	
442	3-Jun-09	71033	17	85	3.6	22	10	
443	3-Jun-09	71033	18	87	3.8	22	10	
444	3-Jun-09	71033	19	93	4.6	0M	M0	RG
445	3-Jun-09	71033	20	88	3.9	22	10	
446	3-Jun-09	71033	21	93	4.6	22	10	
447	3-Jun-09	71033	22	84	3.5	22	10	
448	3-Jun-09	71033	23	97	5.1	22	10	
449	3-Jun-09	71033	24	89	4.1	22	10	
450	3-Jun-09	71033	25	82	3.2	0M	M0	RG

Appendix E. Individual coho smolt length (mm), weight (g), and condition factor (KC), 2009.

Period 1				
Date	Fish	Length	Weight	KC
2-May	34	85	2.8	0.46
2-May	1	85	3.1	0.50
2-May	119	90	3.4	0.47
2-May	145	90	3.6	0.49
2-May	157	95	4	0.47
2-May	69	95	4.1	0.48
2-May	55	85	4.3	0.70
2-May	158	100	4.3	0.43
2-May	118	100	4.4	0.44
2-May	159	100	4.5	0.45
2-May	167	90	4.6	0.63
2-May	24	95	4.6	0.54
2-May	160	100	4.7	0.47
2-May	146	100	4.8	0.48
2-May	22	95	4.9	0.57
2-May	132	90	5	0.69
2-May	8	100	5	0.50
2-May	71	95	5.2	0.61
2-May	156	100	5.2	0.52
2-May	85	100	5.3	0.53
2-May	14	105	5.3	0.46
2-May	73	105	5.3	0.46
2-May	155	105	5.3	0.46
2-May	25	100	5.4	0.54
2-May	131	100	5.4	0.54
2-May	150	100	5.4	0.54
2-May	79	95	5.6	0.65
2-May	23	110	5.7	0.43
2-May	67	110	5.7	0.43
2-May	172	100	5.8	0.58
2-May	164	105	5.8	0.50
2-May	86	115	5.8	0.38
2-May	72	105	5.9	0.51
2-May	134	105	6	0.52
2-May	142	105	6	0.52
2-May	92	110	6	0.45
2-May	137	110	6	0.45
2-May	140	115	6	0.39

Period 2				
Date	Fish	Length	Weight	KC
13-May	849	109	7.4	0.57
13-May	850	125	11.3	0.87
13-May	851	112	8.8	0.68
13-May	852	88	4.8	0.37
13-May	853	109	7.9	0.61
13-May	854	109	6.9	0.53
13-May	855	112	7.5	0.58
13-May	856	92	5.1	0.39
13-May	857	90	4	0.31
13-May	858	94	4.5	0.35
13-May	859	111	7.2	0.56
13-May	860	105	6.5	0.50
13-May	861	102	6.2	0.48
13-May	862	112	6.2	0.48
13-May	863	102	6.1	0.47
13-May	864	102	5.7	0.44
13-May	865	87	4.1	0.32
13-May	866	99	5.6	0.43
13-May	867	117	8.6	0.66
13-May	868	108	7.2	0.56
13-May	869	105	6.3	0.49
13-May	870	100	5.5	0.42
13-May	871	115	8.6	0.66
13-May	872	115	7.6	0.59
13-May	873	110	7.7	0.59
13-May	874	102	6.7	0.52
13-May	875	110	7.6	0.59
13-May	876	120	9.2	0.71
13-May	877	100	5.3	0.41
13-May	878	95	8.1	0.63
13-May	879	88	3.8	0.29
13-May	880	108	6.4	0.49
13-May	881	98	5.1	0.39
13-May	882	108	7.1	0.55
13-May	883	95	5.6	0.43
13-May	884	105	6.8	0.53
13-May	885	109	7.6	0.59
13-May	886	115	8.7	0.67

Period 1				
Date	Fish	Length	Weight	KC
2-May	6	110	6.1	0.46
2-May	27	110	6.1	0.46
2-May	152	100	6.2	0.62
2-May	81	105	6.3	0.54
2-May	168	120	6.3	0.36
2-May	147	110	6.4	0.48
2-May	29	100	6.5	0.65
2-May	178	105	6.5	0.56
2-May	61	110	6.5	0.49
2-May	107	110	6.5	0.49
2-May	130	110	6.5	0.49
2-May	129	115	6.5	0.43
2-May	4	105	6.6	0.57
2-May	58	105	6.6	0.57
2-May	3	110	6.6	0.50
2-May	35	110	6.6	0.50
2-May	48	110	6.6	0.50
2-May	76	110	6.6	0.50
2-May	112	110	6.7	0.50
2-May	173	110	6.7	0.50
2-May	127	115	6.7	0.44
2-May	77	110	6.8	0.51
2-May	108	110	6.8	0.51
2-May	121	110	6.8	0.51
2-May	151	110	6.8	0.51
2-May	174	110	6.8	0.51
2-May	180	125	6.8	0.35
2-May	122	110	7	0.53
2-May	177	110	7	0.53
2-May	78	115	7	0.46
2-May	2	160	7	0.17
2-May	63	110	7.1	0.53
2-May	64	110	7.1	0.53
2-May	83	110	7.1	0.53
2-May	113	110	7.1	0.53
2-May	123	115	7.1	0.47
2-May	15	110	7.2	0.54
2-May	136	110	7.2	0.54
2-May	120	115	7.2	0.47

Period 2				
Date	Fish	Length	Weight	KC
13-May	887	98	8.5	0.66
13-May	888	118	9.1	0.70
13-May	889	105	6.7	0.52
13-May	890	111	7.2	0.56
13-May	891	102	6.3	0.49
13-May	892	97	5.5	0.42
13-May	893	97	5.7	0.44
13-May	894	90	4.4	0.34
13-May	895	100	6.3	0.49
13-May	896	116	9.1	0.70
13-May	897	84	3.5	0.27
13-May	898	93	4.6	0.36
13-May	899	100	5.7	0.44
13-May	900	95	8.1	0.63
13-May	901	91	8.1	0.63
13-May	902	95	5.8	0.45
13-May	903	92	4.9	0.38
13-May	904	95	6	0.46
13-May	905	110	8.1	0.63
13-May	906	112	8.5	0.66
13-May	907	116	9.1	0.70
13-May	908	118	10.4	0.80
13-May	909	124	10.2	0.79
13-May	910	92	5.5	0.42
13-May	911	109	7.1	0.55
13-May	912	115	8.2	0.63
13-May	913	96	5.7	0.44
13-May	914	116	5.5	0.42
13-May	915	110	8.3	0.64
13-May	916	95	4.7	0.36
13-May	917	110	7.5	0.58
13-May	918	115	8.7	0.67
13-May	919	91	4.3	0.33
13-May	920	120	9.2	0.71
13-May	921	89	4.2	0.32
13-May	922	110	6.9	0.53
13-May	923	110	8.1	0.63
13-May	924	111	8.2	0.63
13-May	925	109	8	0.62

Period 1				
Date	Fish	Length	Weight	KC
2-May	128	120	7.2	0.42
2-May	148	120	7.2	0.42
2-May	7	110	7.3	0.55
2-May	57	110	7.3	0.55
2-May	135	110	7.3	0.55
2-May	80	110	7.4	0.56
2-May	94	110	7.4	0.56
2-May	126	110	7.4	0.56
2-May	91	110	7.5	0.56
2-May	42	115	7.5	0.49
2-May	17	110	7.6	0.57
2-May	30	115	7.6	0.50
2-May	62	115	7.6	0.50
2-May	65	115	7.6	0.50
2-May	5	110	7.7	0.58
2-May	47	115	7.7	0.51
2-May	115	115	7.7	0.51
2-May	162	115	7.7	0.51
2-May	95	110	7.8	0.59
2-May	82	115	8	0.53
2-May	149	115	8	0.53
2-May	93	120	8	0.46
2-May	70	110	8.1	0.61
2-May	66	115	8.1	0.53
2-May	114	120	8.1	0.47
2-May	141	100	8.2	0.82
2-May	20	115	8.2	0.54
2-May	163	120	8.2	0.47
2-May	169	125	8.2	0.42
2-May	32	115	8.3	0.55
2-May	100	120	8.3	0.48
2-May	41	115	8.4	0.55
2-May	43	115	8.4	0.55
2-May	49	115	8.4	0.55
2-May	179	115	8.4	0.55
2-May	111	120	8.4	0.49
2-May	138	120	8.4	0.49
2-May	53	110	8.5	0.64
2-May	175	115	8.5	0.56

Period 2				
Date	Fish	Length	Weight	KC
13-May	926	118	9.1	0.70
13-May	927	125	11.2	0.86
13-May	928	103	6.5	0.50
13-May	929	98	5	0.39
13-May	930	114	7.8	0.60
13-May	931	103	6.7	0.52
13-May	932	97	5.5	0.42
13-May	933	162	23.7	1.83
13-May	934	100	5.5	0.42
13-May	935	105	7.1	0.55
13-May	936	105	6.1	0.47
13-May	937	93	4.5	0.35
13-May	938	101	5.9	0.46
13-May	939	100	5	0.39
13-May	940	115	10.4	0.80
13-May	941	114	8.9	0.69
13-May	942	105	6.9	0.53
13-May	943	99	6.1	0.47
13-May	944	118	9.4	0.73
13-May	945	110	8.8	0.68
13-May	946	100	5.4	0.42
13-May	947	110	6.9	0.53
13-May	948	86	4	0.31
13-May	949	98	5.7	0.44
13-May	950	125	10.7	0.83
13-May	951	94	5.5	0.42
13-May	952	96	5.1	0.39
13-May	953	98	5.5	0.42
13-May	954	88	4.3	0.33
13-May	955	105	5.8	0.45
13-May	956	108	7.7	0.59
13-May	957	102	6.5	0.50
13-May	958	104	7.1	0.55
13-May	959	95	5.3	0.41
13-May	960	118	9.4	0.73
13-May	961	192	37.8	2.92
13-May	962	189	32.7	2.53
13-May	963	198	37.7	2.91
13-May	964	116	9.5	0.73

Period 1				
Date	Fish	Length	Weight	KC
2-May	176	120	8.5	0.49
2-May	68	115	8.6	0.57
2-May	37	115	8.7	0.57
2-May	33	120	8.7	0.50
2-May	75	120	8.7	0.50
2-May	36	115	8.8	0.58
2-May	139	125	8.8	0.45
2-May	60	120	8.9	0.52
2-May	144	115	9	0.59
2-May	28	120	9	0.52
2-May	40	120	9	0.52
2-May	84	115	9.2	0.60
2-May	38	120	9.2	0.53
2-May	9	115	9.3	0.61
2-May	18	120	9.4	0.54
2-May	117	120	9.4	0.54
2-May	46	115	9.5	0.62
2-May	31	120	9.6	0.56
2-May	11	110	9.7	0.73
2-May	39	125	9.8	0.50
2-May	54	120	9.9	0.57
2-May	133	120	9.9	0.57
2-May	16	120	10	0.58
2-May	97	120	10	0.58
2-May	116	125	10.1	0.52
2-May	44	125	10.2	0.52
2-May	52	130	10.2	0.46
2-May	153	130	10.2	0.46
2-May	45	120	10.3	0.60
2-May	99	120	10.4	0.60
2-May	12	125	10.4	0.53
2-May	56	130	10.6	0.48
2-May	165	120	10.7	0.62
2-May	105	125	10.8	0.55
2-May	98	130	10.8	0.49
2-May	19	130	11.4	0.52
2-May	166	135	11.4	0.46
2-May	143	110	11.5	0.86
2-May	109	130	11.5	0.52

Period 2				
Date	Fish	Length	Weight	KC
13-May	965	187	32.4	2.50
13-May	966	86	4.4	0.34
13-May	967	98	5.4	0.42
13-May	968	179	28.5	2.20
13-May	969	119	9.7	0.75
13-May	970	105	6.8	0.53
13-May	971	115	8.4	0.65
13-May	972	111	8.2	0.63
13-May	973	98	5.6	0.43
13-May	974	98	5.8	0.45
13-May	975	95	5.7	0.44
13-May	976	115	9.2	0.71
13-May	977	100	5.6	0.43
13-May	978	112	8.7	0.67
13-May	979	104	6.9	0.53
13-May	980	101	7	0.54
13-May	981	109	8.7	0.67
13-May	982	105	7.8	0.60
13-May	983	96	6.7	0.52
13-May	984	116	11.6	0.90
13-May	985	120	7.6	0.59
13-May	986	109	8.7	0.67
13-May	987	100	6.1	0.47
13-May	988	105	6.9	0.53
13-May	989	119	9.3	0.72
13-May	990	126	12.1	0.93
13-May	991	105	7.4	0.57
13-May	992	107	8	0.62
13-May	993	116	9.3	0.72
13-May	994	112	8.1	0.63
13-May	995	107	8.1	0.63
13-May	996	122	9.7	0.75
13-May	997	113	8.5	0.66
13-May	998	123	11.1	0.86
13-May	999	116	9.5	0.73
13-May	1000	105	6.6	0.51
13-May	1001	94	4.9	0.38
13-May	1002	96	5.3	0.41
13-May	1003	109	7.1	0.55

Period 1				
Date	Fish	Length	Weight	KC
2-May	59	125	11.8	0.60
2-May	104	130	12	0.55
2-May	74	135	12.5	0.51
2-May	90	135	12.7	0.52
2-May	106	135	12.7	0.52
2-May	96	135	13.1	0.53
2-May	10	135	13.2	0.54
2-May	87	135	13.4	0.54
2-May	161	140	13.6	0.50
2-May	13	135	13.7	0.56
2-May	26	135	13.7	0.56
2-May	171	140	14	0.51
2-May	125	140	14.2	0.52
2-May	102	140	14.6	0.53
2-May	110	140	14.7	0.54
2-May	154	140	14.7	0.54
2-May	124	150	15	0.44
2-May	170	145	15.4	0.51
2-May	51	135	15.5	0.63
2-May	89	140	15.8	0.58
2-May	103	145	16	0.52
2-May	101	175	22.7	0.42
2-May	21	170	23	0.47
2-May	88	165	23.2	0.52
2-May	50	175	24.2	0.45
3-May	39	130	1.4	0.06
3-May	46	70	2.3	0.67
3-May	83	90	3.4	0.47
3-May	30	85	3.6	0.59
3-May	60	85	3.7	0.60
3-May	81	95	4.1	0.48
3-May	98	90	4.3	0.59
3-May	45	95	4.5	0.52
3-May	84	95	4.6	0.54
3-May	23	95	4.7	0.55
3-May	58	95	4.7	0.55
3-May	12	90	4.8	0.66
3-May	36	95	4.8	0.56
3-May	82	95	4.8	0.56

Period 2				
Date	Fish	Length	Weight	KC
13-May	1004	100	6	0.46
13-May	1005	112	8.7	0.67
13-May	1006	100	6.5	0.50
13-May	1007	101	6.2	0.48
13-May	1008	96	5.7	0.44
13-May	1009	120	8.7	0.67
13-May	1010	103	5.5	0.42
13-May	1011	105	6	0.46
13-May	1012	85	3.3	0.25
13-May	1013	119	9.3	0.72
13-May	1014	82	3.5	0.27
13-May	1015	88	4	0.31
13-May	1016	104	7.4	0.57
13-May	1017	110	7.5	0.58
13-May	1018	85	3.9	0.30
13-May	1019	110	7.7	0.59
13-May	1020	177	26.3	2.03
13-May	1021	100	6.1	0.47
13-May	1022	111	8.5	0.66
13-May	1023	101	6.6	0.51
13-May	1024	95	5	0.39
13-May	1025	120	10.1	0.78
13-May	1026	100	9.6	0.74
13-May	1027	115	8.6	0.66
13-May	1028	165	21	1.62
14-May	1029	97	5.4	0.42
14-May	1030	95	5.6	0.43
14-May	1031	98	6.2	0.48
14-May	1032	111	7.9	0.61
14-May	1033	105	4.8	0.37
14-May	1034	102	5.1	0.39
14-May	1035	107	5.6	0.43
14-May	1036	110	6.7	0.52
14-May	1037	109	7.4	0.57
14-May	1038	106	7.2	0.56
14-May	1039	100	4.7	0.36
14-May	1040	88	3.4	0.26
14-May	1041	97	5	0.39
14-May	1042	104	6.2	0.48

Period 1				
Date	Fish	Length	Weight	KC
3-May	44	100	5	0.50
3-May	68	100	5	0.50
3-May	71	100	5	0.50
3-May	21	95	5.3	0.62
3-May	29	95	5.3	0.62
3-May	99	100	5.3	0.53
3-May	67	110	5.5	0.41
3-May	51	100	5.7	0.57
3-May	56	105	5.8	0.50
3-May	54	100	6	0.60
3-May	2	115	6	0.39
3-May	64	105	6.1	0.53
3-May	91	105	6.1	0.53
3-May	43	110	6.1	0.46
3-May	18	100	6.2	0.62
3-May	72	105	6.2	0.54
3-May	55	110	6.2	0.47
3-May	65	110	6.2	0.47
3-May	1	125	6.2	0.32
3-May	95	110	6.3	0.47
3-May	79	105	6.5	0.56
3-May	47	110	6.5	0.49
3-May	3	105	6.6	0.57
3-May	70	105	6.6	0.57
3-May	40	110	6.6	0.50
3-May	27	105	6.7	0.58
3-May	73	105	6.7	0.58
3-May	94	105	6.7	0.58
3-May	88	110	6.7	0.50
3-May	97	110	6.7	0.50
3-May	32	105	6.9	0.60
3-May	80	105	6.9	0.60
3-May	42	110	7.1	0.53
3-May	87	110	7.1	0.53
3-May	5	105	7.2	0.62
3-May	31	105	7.2	0.62
3-May	25	110	7.2	0.54
3-May	22	105	7.3	0.63
3-May	24	110	7.3	0.55

Period 2				
Date	Fish	Length	Weight	KC
14-May	1043	89	4.8	0.37
14-May	1044	108	6.9	0.53
14-May	1045	115	8.5	0.66
14-May	1046	89	3.7	0.29
14-May	1047	103	7	0.54
14-May	1048	110	8	0.62
14-May	1049	114	9.2	0.71
14-May	1050	99	5.2	0.40
14-May	1051	116	9.2	0.71
14-May	1052	94	4.4	0.34
14-May	1053	101	6	0.46
14-May	1054	98	5.9	0.46
14-May	1055	106	6.8	0.53
14-May	1056	91	4.2	0.32
14-May	1057	88	4.1	0.32
14-May	1058	109	8	0.62
14-May	1059	112	8.1	0.63
14-May	1060	110	7.2	0.56
14-May	1061	100	4.9	0.38
14-May	1062	113	8.3	0.64
14-May	1063	96	4.6	0.36
14-May	1064	99	5.7	0.44
14-May	1065	98	5.1	0.39
14-May	1066	104	6.3	0.49
14-May	1067	111	6.8	0.53
14-May	1068	99	5.1	0.39
14-May	1069	85	3.5	0.27
14-May	1070	88	3	0.23
14-May	1071	89	4.5	0.35
14-May	1072	112	8.2	0.63
14-May	1073	117	8.6	0.66
14-May	1074	100	8.7	0.67
14-May	1075	104	5.7	0.44
14-May	1076	105	6.3	0.49
14-May	1077	98	5.1	0.39
14-May	1078	106	6.1	0.47
14-May	1079	97	4.2	0.32
14-May	1080	110	6.5	0.50
14-May	1081	105	6.2	0.48

Period 1				
Date	Fish	Length	Weight	KC
3-May	6	105	7.4	0.64
3-May	17	105	7.4	0.64
3-May	62	110	7.4	0.56
3-May	69	110	7.4	0.56
3-May	77	110	7.4	0.56
3-May	96	110	7.4	0.56
3-May	66	115	7.4	0.49
3-May	8	100	7.5	0.75
3-May	52	110	7.5	0.56
3-May	59	110	7.5	0.56
3-May	53	110	7.6	0.57
3-May	37	115	7.6	0.50
3-May	10	110	8	0.60
3-May	20	110	8	0.60
3-May	63	115	8.2	0.54
3-May	76	115	8.2	0.54
3-May	85	115	8.2	0.54
3-May	11	110	8.4	0.63
3-May	4	110	8.5	0.64
3-May	19	120	8.5	0.49
3-May	78	115	8.7	0.57
3-May	14	110	8.9	0.67
3-May	35	115	9	0.59
3-May	74	120	9	0.52
3-May	93	120	9.3	0.54
3-May	13	115	9.4	0.62
3-May	9	120	9.4	0.54
3-May	38	120	9.5	0.55
3-May	49	120	9.6	0.56
3-May	33	120	9.7	0.56
3-May	28	120	9.8	0.57
3-May	92	125	9.8	0.50
3-May	86	125	10	0.51
3-May	34	125	10.2	0.52
3-May	15	120	10.5	0.61
3-May	75	120	10.6	0.61
3-May	89	130	10.6	0.48
3-May	57	125	10.7	0.55
3-May	48	125	10.8	0.55

Period 2				
Date	Fish	Length	Weight	KC
14-May	1082	112	7.2	0.56
14-May	1083	102	5.1	0.39
18-May	1084	111	10	0.77
18-May	1085	104	10	0.77
18-May	1086	110	15	1.16
18-May	1087	102	15	1.16
18-May	1088	91	10	0.77
18-May	1089	99	10	0.77
18-May	1090	89	5	0.39
18-May	1091	109	10	0.77
18-May	1092	100	10	0.77
18-May	1093	93	10	0.77
18-May	1094	84	5	0.39
18-May	1095	96	10	0.77
18-May	1096	99	10	0.77
18-May	1097	92	10	0.77
18-May	1098	98	10	0.77
18-May	1099	103	10	0.77
18-May	1100	95	10	0.77
18-May	1101	82	5	0.39
19-May	1102	100	5	0.39
19-May	1103	95	5.2	0.40
19-May	1104	92	4.3	0.33
19-May	1105	95	5.1	0.39
19-May	1106	97	4.8	0.37
19-May	1107	100	5.4	0.42
19-May	1108	100	5.7	0.44
19-May	1109	87	4	0.31
19-May	1110	90	4.7	0.36
19-May	1111	100	6.1	0.47
19-May	1112	86	3.7	0.29
19-May	1113	98	5.5	0.42
19-May	1114	85	4.4	0.34
19-May	1115	115	9.2	0.71
19-May	1116	96	5.4	0.42
19-May	1117	105	6.3	0.49
19-May	1118	94	6.7	0.52
19-May	1119	86	4.7	0.36
19-May	1120	85	5.1	0.39

Period 1				
Date	**Fish**	**Length**	**Weight**	**KC**
3-May	90	130	11.2	0.51
3-May	26	135	12.3	0.50
3-May	7	120	12.6	0.73
3-May	41	135	14.2	0.58
3-May	50	140	14.8	0.54
3-May	100	160	16.2	0.40
3-May	16	170	29	0.59
3-May	61	115	8.4	0.55
4-May	20	80	3.4	0.66
4-May	74	90	3.4	0.47
4-May	75	95	3.7	0.43
4-May	73	85	4	0.65
4-May	188	85	4	0.65
4-May	54	90	4.1	0.56
4-May	11	90	4.2	0.58
4-May	139	90	4.2	0.58
4-May	66	95	4.2	0.49
4-May	134	90	4.3	0.59
4-May	189	110	4.4	0.33
4-May	98	90	4.5	0.62
4-May	22	95	4.5	0.52
4-May	39	95	4.7	0.55
4-May	6	95	4.8	0.56
4-May	32	95	4.8	0.56
4-May	137	90	5	0.69
4-May	178	95	5	0.58
4-May	69	95	5.1	0.59
4-May	105	90	5.2	0.71
4-May	141	90	5.2	0.71
4-May	27	95	5.2	0.61
4-May	50	95	5.2	0.61
4-May	128	100	5.3	0.53
4-May	135	110	5.4	0.41
4-May	56	100	5.5	0.55
4-May	65	100	5.5	0.55
4-May	148	100	5.5	0.55
4-May	149	100	5.5	0.55
4-May	67	80	5.6	1.09
4-May	142	100	5.6	0.56

Period 2				
Date	**Fish**	**Length**	**Weight**	**KC**
19-May	1121	100	5.5	0.42
19-May	1122	96	5.1	0.39
19-May	1123	85	4	0.31
19-May	1124	95	5.4	0.42
19-May	1125	90	4.4	0.34
19-May	1126	106	6.1	0.47
19-May	1127	82	3.6	0.28
19-May	1128	100	7.3	0.56
19-May	1129	104	5.6	0.43
19-May	1130	97	6.6	0.51
19-May	1131	90	4.1	0.32
19-May	1132	103	7.2	0.56
19-May	1133	102	6.5	0.50
19-May	1134	95	4.4	0.34
19-May	1135	103	6.7	0.52
19-May	1136	100	6.3	0.49
19-May	1137	87	4.2	0.32
19-May	1138	121	10.4	0.80
19-May	1139	89	4.7	0.36
19-May	1140	100	5.5	0.42
19-May	1141	95	5.7	0.44
19-May	1142	100	5.3	0.41
19-May	1143	100	7.4	0.57
19-May	1144	102	6.7	0.52
19-May	1145	89	4.1	0.32
19-May	1146	95	5.7	0.44
19-May	1147	95	6.2	0.48
19-May	1148	94	4.9	0.38
19-May	1149	110	7.7	0.59
19-May	1150	89	4.1	0.32
19-May	1151	93	5.2	0.40
19-May	1152	95	5.2	0.40
19-May	1153	108	6.2	0.48
19-May	1154	105	6.8	0.53
19-May	1155	93	5	0.39
19-May	1156	106	6.3	0.49
19-May	1157	94	4.9	0.38
19-May	1158	95	5.9	0.46
19-May	1159	95	5.5	0.42

Period 1				
Date	Fish	Length	Weight	KC
4-May	58	100	5.7	0.57
4-May	55	105	5.7	0.49
4-May	18	95	5.8	0.68
4-May	46	100	5.8	0.58
4-May	76	100	5.8	0.58
4-May	177	100	5.8	0.58
4-May	4	105	5.8	0.50
4-May	35	105	5.9	0.51
4-May	60	105	6	0.52
4-May	70	105	6.1	0.53
4-May	165	110	6.1	0.46
4-May	166	100	6.2	0.62
4-May	52	105	6.2	0.54
4-May	181	105	6.2	0.54
4-May	89	100	6.3	0.63
4-May	145	105	6.3	0.54
4-May	163	105	6.3	0.54
4-May	9	105	6.4	0.55
4-May	1	110	6.4	0.48
4-May	12	100	6.5	0.65
4-May	28	100	6.6	0.66
4-May	72	105	6.6	0.57
4-May	120	105	6.6	0.57
4-May	107	110	6.6	0.50
4-May	108	105	6.7	0.58
4-May	143	110	6.7	0.50
4-May	176	105	7	0.60
4-May	17	110	7	0.53
4-May	144	110	7	0.53
4-May	3	115	7	0.46
4-May	183	120	7.1	0.41
4-May	182	130	7.1	0.32
4-May	79	105	7.2	0.62
4-May	24	115	7.2	0.47
4-May	47	105	7.3	0.63
4-May	21	110	7.3	0.55
4-May	40	110	7.4	0.56
4-May	151	110	7.4	0.56
4-May	164	110	7.4	0.56

Period 2				
Date	Fish	Length	Weight	KC
19-May	1160	94	5.4	0.42
19-May	1161	110	8.1	0.63
19-May	1162	94	5.9	0.46
19-May	1163	106	6.7	0.52
19-May	1164	92	4.3	0.33
19-May	1165	103	6.4	0.49
19-May	1166	111	8.4	0.65
19-May	1167	90	3.8	0.29
19-May	1168	94	4.8	0.37
19-May	1169	98	5.5	0.42
19-May	1170	105	6.7	0.52
19-May	1171	98	5.6	0.43
19-May	1172	108	6.2	0.48
19-May	1173	97	5.6	0.43
19-May	1174	101	5.3	0.41
19-May	1175	99	4.8	0.37
19-May	1176	112	7.7	0.59
19-May	1177	103	6.6	0.51
19-May	1178	106	6.8	0.53
19-May	1179	115	7.7	0.59
19-May	1180	115	8.8	0.68
19-May	1181	104	6.5	0.50
19-May	1182	97	4.9	0.38
19-May	1183	94	4.5	0.35
19-May	1184	107	7.4	0.57
19-May	1185	107	7.7	0.59
19-May	1186	93	4.1	0.32
19-May	1187	85	3.7	0.29
19-May	1188	103	6.3	0.49
19-May	1189	118	10.3	0.80
19-May	1190	79	3.3	0.25
19-May	1191	104	6.4	0.49
19-May	1192	96	5.4	0.42
19-May	1193	105	7.2	0.56
19-May	1194	114	9.4	0.73
19-May	1195	83	3.2	0.25
19-May	1196	101	6.3	0.49
19-May	1197	105	6.9	0.53
19-May	1198	99	5	0.39

Period 1				
Date	Fish	Length	Weight	KC
4-May	169	110	7.4	0.56
4-May	8	115	7.4	0.49
4-May	64	110	7.5	0.56
4-May	111	110	7.5	0.56
4-May	122	110	7.5	0.56
4-May	130	110	7.5	0.56
4-May	133	110	7.5	0.56
4-May	197	110	7.5	0.56
4-May	5	125	7.5	0.38
4-May	71	105	7.6	0.66
4-May	85	110	7.6	0.57
4-May	206	110	7.6	0.57
4-May	138	115	7.6	0.50
4-May	201	105	7.7	0.67
4-May	44	110	7.7	0.58
4-May	101	110	7.7	0.58
4-May	186	110	7.7	0.58
4-May	158	105	7.8	0.67
4-May	61	110	7.8	0.59
4-May	62	110	7.8	0.59
4-May	124	110	7.8	0.59
4-May	159	110	7.8	0.59
4-May	38	115	7.8	0.51
4-May	14	105	7.9	0.68
4-May	41	110	7.9	0.59
4-May	63	110	7.9	0.59
4-May	196	115	7.9	0.52
4-May	57	110	8	0.60
4-May	94	110	8	0.60
4-May	150	110	8	0.60
4-May	25	110	8.1	0.61
4-May	104	110	8.1	0.61
4-May	119	110	8.1	0.61
4-May	33	115	8.1	0.53
4-May	51	115	8.1	0.53
4-May	59	115	8.1	0.53
4-May	91	115	8.1	0.53
4-May	125	115	8.1	0.53
4-May	203	120	8.1	0.47

Period 2				
Date	Fish	Length	Weight	KC
19-May	1199	104	7.3	0.56
19-May	1200	95	4.7	0.36
19-May	1201	88	4.2	0.32
19-May	1202	105	6.9	0.53
19-May	1203	94	4.8	0.37
19-May	1204	94	4.8	0.37
19-May	1205	101	6	0.46
19-May	1206	105	5.4	0.42
19-May	1207	97	5.1	0.39
19-May	1208	123	9.6	0.74
19-May	1209	102	5.8	0.45
19-May	1210	105	6.9	0.53
19-May	1211	101	6.1	0.47
19-May	1212	102	6.4	0.49
19-May	1213	89	4.8	0.37
19-May	1214	94	4.9	0.38
19-May	1215	111	6.9	0.53
19-May	1216	80	3.3	0.25
19-May	1217	94	4.7	0.36
19-May	1218	100	6.3	0.49
19-May	1219	87	4.3	0.33
19-May	1220	94	4.3	0.33
19-May	1221	95	5.5	0.42
19-May	1222	92	5.7	0.44
19-May	1223	94	5.1	0.39
19-May	1224	90	3.5	0.27
19-May	1225	96	5.4	0.42
19-May	1226	98	5.5	0.42
19-May	1227	98	7.8	0.60
19-May	1228	90	4.2	0.32
19-May	1229	105	6.7	0.52
19-May	1230	95	5.9	0.46
19-May	1231	103	7.4	0.57
19-May	1232	95	4.4	0.34
19-May	1233	120	9.5	0.73
19-May	1234	100	6.4	0.49
19-May	1235	120	11	0.85
19-May	1236	100	6.4	0.49
19-May	1237	110	7.8	0.60

Period 1				
Date	Fish	Length	Weight	KC
4-May	161	110	8.2	0.62
4-May	136	115	8.2	0.54
4-May	30	110	8.3	0.62
4-May	155	110	8.3	0.62
4-May	198	110	8.3	0.62
4-May	100	110	8.4	0.63
4-May	154	110	8.4	0.63
4-May	184	110	8.4	0.63
4-May	16	115	8.4	0.55
4-May	53	115	8.4	0.55
4-May	153	115	8.4	0.55
4-May	171	115	8.4	0.55
4-May	78	120	8.4	0.49
4-May	156	100	8.5	0.85
4-May	45	110	8.5	0.64
4-May	95	110	8.5	0.64
4-May	121	110	8.6	0.65
4-May	84	115	8.7	0.57
4-May	174	115	8.7	0.57
4-May	190	115	8.7	0.57
4-May	194	115	8.7	0.57
4-May	172	115	8.8	0.58
4-May	162	90	8.9	1.22
4-May	114	115	8.9	0.59
4-May	68	120	8.9	0.52
4-May	204	115	9	0.59
4-May	117	120	9	0.52
4-May	179	120	9	0.52
4-May	34	120	9.1	0.53
4-May	7	115	9.2	0.60
4-May	123	115	9.2	0.60
4-May	31	120	9.2	0.53
4-May	146	120	9.2	0.53
4-May	103	115	9.3	0.61
4-May	42	120	9.3	0.54
4-May	86	120	9.3	0.54
4-May	202	120	9.3	0.54
4-May	13	115	9.4	0.62
4-May	43	115	9.4	0.62

Period 2				
Date	Fish	Length	Weight	KC
19-May	1238	103	5.9	0.46
19-May	1239	102	6	0.46
19-May	1240	115	7.8	0.60
19-May	1241	97	4.9	0.38
19-May	1242	105	5.8	0.45
19-May	1243	110	7.8	0.60
19-May	1244	87	3.9	0.30
19-May	1245	104	6.5	0.50
19-May	1246	107	7.3	0.56
19-May	1247	111	8.5	0.66
19-May	1248	85	4.1	0.32
19-May	1249	98	5.5	0.42
19-May	1250	98	5.7	0.44
19-May	1251	99	6.4	0.49
19-May	1252	96	5	0.39
19-May	1253	104	5.5	0.42
19-May	1254	87	4.9	0.38
19-May	1255	95	4.8	0.37
19-May	1256	85	3.6	0.28
19-May	1257	93	4.3	0.33
19-May	1258	90	3.6	0.28
19-May	1259	89	5.8	0.45
19-May	1260	83	5.2	0.40
19-May	1261	79	3.3	0.25
19-May	1262	87	4.3	0.33
19-May	1263	102	6.6	0.51
19-May	1264	89	4.2	0.32
19-May	1265	102	6.3	0.49
19-May	1266	104	6.3	0.49
19-May	1267	93	5	0.39
19-May	1268	102	6.3	0.49
19-May	1269	81	3.4	0.26
19-May	1270	106	6.3	0.49
19-May	1271	98	5.5	0.42
19-May	1272	105	7.2	0.56
19-May	1273	105	7.2	0.56
19-May	1274	100	5.9	0.46
19-May	1275	100	6.2	0.48
19-May	1276	99	5.1	0.39

Period 1				
Date	Fish	Length	Weight	KC
4-May	48	115	9.5	0.62
4-May	126	120	9.5	0.55
4-May	106	115	9.6	0.63
4-May	37	120	9.7	0.56
4-May	10	125	9.7	0.50
4-May	127	120	9.8	0.57
4-May	208	120	9.8	0.57
4-May	180	125	9.8	0.50
4-May	2	120	10.1	0.58
4-May	26	120	10.1	0.58
4-May	88	125	10.1	0.52
4-May	102	120	10.2	0.59
4-May	129	120	10.2	0.59
4-May	132	120	10.4	0.60
4-May	170	120	10.8	0.63
4-May	147	120	10.9	0.63
4-May	191	125	10.9	0.56
4-May	93	125	11	0.56
4-May	131	130	11	0.50
4-May	160	120	11.1	0.64
4-May	87	125	11.1	0.57
4-May	90	125	11.1	0.57
4-May	193	125	11.1	0.57
4-May	192	120	11.2	0.65
4-May	185	125	11.2	0.57
4-May	157	125	11.3	0.58
4-May	118	125	11.4	0.58
4-May	200	125	11.6	0.59
4-May	116	120	11.7	0.68
4-May	23	130	11.8	0.54
4-May	49	130	11.8	0.54
4-May	140	130	11.8	0.54
4-May	92	130	12	0.55
4-May	80	125	12.1	0.62
4-May	175	135	12.1	0.49
4-May	110	130	12.2	0.56
4-May	187	130	12.2	0.56
4-May	195	125	12.3	0.63
4-May	207	125	12.3	0.63

Period 2				
Date	Fish	Length	Weight	KC
19-May	1277	103	4.7	0.36
19-May	1278	97	5.8	0.45
19-May	1279	98	6.2	0.48
19-May	1280	105	5.7	0.44
19-May	1281	105	6.5	0.50
20-May	1282	84	3.4	0.26
20-May	1283	105	7.5	0.58
20-May	1284	91	5.4	0.42
20-May	1285	93	5.7	0.44
20-May	1286	96	5.7	0.44
20-May	1287	92	4.9	0.38
20-May	1288	93	4.9	0.38
20-May	1289	85	3.8	0.29
20-May	1290	102	7.5	0.58
20-May	1291	93	5.2	0.40
20-May	1292	105	6.7	0.52
20-May	1293	86	4.5	0.35
20-May	1294	93	4.9	0.38
20-May	1295	94	5.4	0.42
20-May	1296	110	8.4	0.65
20-May	1297	93	5.5	0.42
20-May	1298	88	4.9	0.38
20-May	1299	93	5	0.39
20-May	1300	87	4.5	0.35
20-May	1301	94	5.5	0.42
20-May	1302	95	5.5	0.42
20-May	1303	87	4.2	0.32
20-May	1304	99	6.1	0.47
20-May	1305	100	6.2	0.48
20-May	1306	98	6	0.46
20-May	1307	89	4.8	0.37
20-May	1308	88	4.1	0.32
20-May	1309	95	6.7	0.52
20-May	1310	80	4	0.31
20-May	1311	95	4.8	0.37
20-May	1312	90	5	0.39
20-May	1313	98	5.6	0.43
20-May	1314	102	6.3	0.49
20-May	1315	94	5.3	0.41

Period 1				
Date	Fish	Length	Weight	KC
4-May	115	130	12.5	0.57
4-May	19	130	12.7	0.58
4-May	83	130	12.7	0.58
4-May	15	135	12.8	0.52
4-May	97	135	13	0.53
4-May	199	140	13.3	0.48
4-May	167	125	13.8	0.71
4-May	168	135	13.9	0.56
4-May	36	135	14	0.57
4-May	109	140	14.3	0.52
4-May	29	135	14.4	0.59
4-May	113	140	14.5	0.53
4-May	77	135	14.6	0.59
4-May	96	140	14.6	0.53
4-May	173	140	14.7	0.54
4-May	152	140	15.6	0.57
4-May	99	140	16	0.58
4-May	112	140	16.7	0.61
4-May	82	150	17.2	0.51
4-May	81	150	19.1	0.57
4-May	205	165	25.5	0.57
5-May	62	75	2.5	0.59
5-May	85	70	2.8	0.82
5-May	49	85	3.2	0.52
5-May	37	90	3.7	0.51
5-May	157	90	3.7	0.51
5-May	1	90	3.8	0.52
5-May	5	85	3.9	0.64
5-May	171	90	4.1	0.56
5-May	7	80	4.2	0.82
5-May	82	90	4.2	0.58
5-May	91	95	4.2	0.49
5-May	96	95	4.2	0.49
5-May	110	95	4.2	0.49
5-May	13	90	4.3	0.59
5-May	138	85	4.4	0.72
5-May	174	90	4.4	0.60
5-May	34	90	4.5	0.62
5-May	99	90	4.5	0.62

Period 2				
Date	Fish	Length	Weight	KC
20-May	1316	99	5.9	0.46
20-May	1317	93	5.1	0.39
20-May	1318	104	6.6	0.51
20-May	1319	90	4.3	0.33
20-May	1320	91	4.6	0.36
20-May	1321	91	4.6	0.36
20-May	1322	81	3.8	0.29
20-May	1323	104	6.9	0.53
20-May	1324	96	5.8	0.45
20-May	1325	95	4.6	0.36
20-May	1326	89	4	0.31
20-May	1327	97	4.8	0.37
20-May	1328	91	5.7	0.44
20-May	1329	94	4.8	0.37
20-May	1330	94	4.7	0.36
20-May	1331	97	5.7	0.44
20-May	1332	92	5.2	0.40
20-May	1333	108	6.8	0.53
20-May	1334	105	7.1	0.55
20-May	1335	105	6.7	0.52
20-May	1336	107	7.1	0.55
20-May	1337	95	4.8	0.37
20-May	1338	93	5.3	0.41
20-May	1339	90	4.6	0.36
20-May	1340	96	5.4	0.42
20-May	1341	100	6.1	0.47
20-May	1342	90	5.1	0.39
20-May	1343	80	3.1	0.24
20-May	1344	98	5.5	0.42
20-May	1345	97	5.4	0.42
20-May	1346	85	4.4	0.34
20-May	1347	103	6.6	0.51
20-May	1348	95	5.7	0.44
20-May	1349	92	4.6	0.36
20-May	1350	96	5.5	0.42
20-May	1351	105	7.5	0.58
20-May	1352	86	3.9	0.30
20-May	1353	101	6.1	0.47
20-May	1354	96	5.5	0.42

Period 1				
Date	Fish	Length	Weight	KC
5-May	122	95	4.5	0.52
5-May	30	90	4.6	0.63
5-May	54	95	4.6	0.54
5-May	63	90	4.7	0.64
5-May	112	95	4.7	0.55
5-May	119	95	4.7	0.55
5-May	137	80	4.8	0.94
5-May	95	90	4.8	0.66
5-May	97	95	4.8	0.56
5-May	83	110	4.8	0.36
5-May	6	90	4.9	0.67
5-May	89	90	4.9	0.67
5-May	31	95	4.9	0.57
5-May	47	95	4.9	0.57
5-May	72	95	4.9	0.57
5-May	19	95	5.1	0.59
5-May	104	95	5.1	0.59
5-May	143	95	5.1	0.59
5-May	20	100	5.1	0.51
5-May	28	100	5.1	0.51
5-May	106	95	5.2	0.61
5-May	145	100	5.2	0.52
5-May	10	100	5.3	0.53
5-May	173	100	5.3	0.53
5-May	23	95	5.4	0.63
5-May	98	95	5.4	0.63
5-May	153	95	5.4	0.63
5-May	144	100	5.4	0.54
5-May	146	100	5.4	0.54
5-May	81	95	5.5	0.64
5-May	46	100	5.5	0.55
5-May	74	100	5.5	0.55
5-May	93	100	5.5	0.55
5-May	134	95	5.7	0.66
5-May	170	100	5.7	0.57
5-May	84	110	5.8	0.44
5-May	94	110	5.8	0.44
5-May	25	100	5.9	0.59
5-May	103	100	6.1	0.61

Period 2				
Date	Fish	Length	Weight	KC
20-May	1355	89	4.8	0.37
20-May	1356	90	4.8	0.37
20-May	1357	98	5.6	0.43
20-May	1358	105	6.8	0.53
20-May	1359	87	3.9	0.30
20-May	1360	100	5.9	0.46
20-May	1361	105	6.7	0.52
20-May	1362	84	3.8	0.29
20-May	1363	83	3.9	0.30
20-May	1364	104	6.4	0.49
20-May	1365	100	6.2	0.48
20-May	1366	95	5.7	0.44
20-May	1367	86	4.3	0.33
20-May	1368	94	5.4	0.42
20-May	1369	97	6.1	0.47
20-May	1370	95	5.5	0.42
20-May	1371	103	6.2	0.48
20-May	1372	100	6.4	0.49
20-May	1373	96	4.1	0.32
20-May	1374	105	6.8	0.53
20-May	1375	100	6.2	0.48
20-May	1376	87	4	0.31
20-May	1377	87	3.5	0.27
20-May	1378	103	6.1	0.47
20-May	1379	100	6.2	0.48
20-May	1380	94	6.1	0.47
20-May	1381	102	6.7	0.52
20-May	1382	94	4	0.31
20-May	1383	90	4.1	0.32
20-May	1384	95	4.9	0.38
20-May	1385	90	4.4	0.34
20-May	1386	100	6.3	0.49
20-May	1387	95	4	0.31
20-May	1388	93	4.4	0.34
20-May	1389	87	3.2	0.25
20-May	1390	102	5.5	0.42
20-May	1391	90	11.7	0.90
20-May	1392	103	5.9	0.46
20-May	1393	85	3.6	0.28

Period 1				
Date	**Fish**	**Length**	**Weight**	**KC**
5-May	92	110	6.1	0.46
5-May	35	100	6.2	0.62
5-May	59	100	6.2	0.62
5-May	51	105	6.2	0.54
5-May	78	105	6.2	0.54
5-May	111	105	6.2	0.54
5-May	162	105	6.2	0.54
5-May	175	110	6.2	0.47
5-May	43	105	6.3	0.54
5-May	140	105	6.3	0.54
5-May	107	110	6.4	0.48
5-May	14	100	6.5	0.65
5-May	115	105	6.5	0.56
5-May	149	110	6.5	0.49
5-May	16	100	6.6	0.66
5-May	64	110	6.6	0.50
5-May	118	110	6.6	0.50
5-May	50	105	6.7	0.58
5-May	44	110	6.7	0.50
5-May	108	110	6.7	0.50
5-May	120	110	6.7	0.50
5-May	36	100	6.8	0.68
5-May	66	105	6.8	0.59
5-May	168	105	6.8	0.59
5-May	41	110	6.8	0.51
5-May	121	110	6.8	0.51
5-May	132	110	6.8	0.51
5-May	4	105	6.9	0.60
5-May	11	110	6.9	0.52
5-May	65	110	6.9	0.52
5-May	75	110	6.9	0.52
5-May	136	110	6.9	0.52
5-May	167	110	6.9	0.52
5-May	87	110	7.1	0.53
5-May	9	110	7.2	0.54
5-May	86	110	7.2	0.54
5-May	164	110	7.2	0.54
5-May	176	110	7.2	0.54
5-May	161	110	7.3	0.55

Period 2				
Date	**Fish**	**Length**	**Weight**	**KC**
20-May	1394	95	4.9	0.38
20-May	1395	112	7.6	0.59
20-May	1396	92	4.8	0.37
20-May	1397	95	5.5	0.42
20-May	1398	94	5.7	0.44
20-May	1399	107	7.7	0.59
20-May	1400	94	5.5	0.42
20-May	1401	107	6.4	0.49
20-May	1402	103	6.5	0.50
20-May	1403	100	5.3	0.41
20-May	1404	104	6.5	0.50
20-May	1405	92	4.5	0.35
20-May	1406	101	5.3	0.41
20-May	1407	105	6.3	0.49
20-May	1408	95	5.3	0.41
20-May	1409	98	4.9	0.38
20-May	1410	91	4.5	0.35
20-May	1411	99	5.7	0.44
20-May	1412	102	6.3	0.49
20-May	1413	87	4.5	0.35
20-May	1414	84	4.4	0.34
20-May	1415	95	6	0.46
20-May	1416	115	8	0.62
20-May	1417	101	8.5	0.66
20-May	1418	105	5.8	0.45
20-May	1419	100	5.8	0.45
20-May	1420	99	5.7	0.44
20-May	1421	115	9	0.69
20-May	1422	115	8.9	0.69
20-May	1423	97	5.3	0.41
20-May	1424	95	8	0.62
20-May	1425	97	5.8	0.45
20-May	1426	105	6.7	0.52
20-May	1427	92	4.9	0.38
20-May	1428	117	9.8	0.76
20-May	1429	90	4	0.31
20-May	1430	87	4.4	0.34
20-May	1431	98	5.5	0.42
20-May	1432	92	4.8	0.37

Period 1				
Date	Fish	Length	Weight	KC
5-May	109	115	7.3	0.48
5-May	33	110	7.4	0.56
5-May	151	110	7.4	0.56
5-May	154	110	7.4	0.56
5-May	24	110	7.5	0.56
5-May	32	110	7.5	0.56
5-May	142	110	7.5	0.56
5-May	177	110	7.5	0.56
5-May	18	105	7.6	0.66
5-May	60	110	7.6	0.57
5-May	148	110	7.6	0.57
5-May	52	110	7.7	0.58
5-May	123	110	7.7	0.58
5-May	57	110	7.8	0.59
5-May	126	110	7.8	0.59
5-May	141	115	7.8	0.51
5-May	27	115	7.9	0.52
5-May	113	95	8	0.93
5-May	178	110	8.1	0.61
5-May	147	110	8.2	0.62
5-May	150	110	8.2	0.62
5-May	158	110	8.2	0.62
5-May	180	110	8.2	0.62
5-May	3	115	8.2	0.54
5-May	12	115	8.2	0.54
5-May	55	110	8.4	0.63
5-May	39	110	8.5	0.64
5-May	124	110	8.5	0.64
5-May	135	110	8.5	0.64
5-May	22	115	8.5	0.56
5-May	116	115	8.5	0.56
5-May	125	110	8.6	0.65
5-May	38	120	8.6	0.50
5-May	45	120	8.6	0.50
5-May	71	120	8.6	0.50
5-May	88	120	8.6	0.50
5-May	155	120	8.7	0.50
5-May	48	110	8.8	0.66
5-May	117	120	8.8	0.51

Period 2				
Date	Fish	Length	Weight	KC
20-May	1433	90	4.4	0.34
20-May	1434	89	4.4	0.34
20-May	1435	105	6.9	0.53
20-May	1436	86	4.2	0.32
20-May	1437	92	5	0.39
20-May	1438	88	4.1	0.32
20-May	1439	97	4.8	0.37
20-May	1440	98	5.6	0.43
20-May	1441	98	5.9	0.46
20-May	1442	84	3.5	0.27
20-May	1443	91	4.4	0.34
20-May	1444	96	5.3	0.41
20-May	1445	94	4.9	0.38
20-May	1446	102	6.7	0.52
20-May	1447	106	7.3	0.56
20-May	1448	114	8.8	0.68
20-May	1449	89	4.4	0.34
20-May	1450	78	3.1	0.24
20-May	1451	92	4.9	0.38
20-May	1452	98	5.9	0.46
20-May	1453	79	3.3	0.25
20-May	1454	85	3.8	0.29
20-May	1455	99	6.1	0.47
20-May	1456	105	6.4	0.49
20-May	1457	97	5.7	0.44
20-May	1458	90	4.7	0.36
20-May	1459	98	5.2	0.40
20-May	1460	92	4.8	0.37
20-May	1461	103	5.7	0.44
20-May	1462	95	5.4	0.42
20-May	1463	108	6.5	0.50
20-May	1464	95	4.9	0.38
20-May	1465	91	4.8	0.37
20-May	1466	94	5	0.39
20-May	1467	120	9.4	0.73
20-May	1468	95	4.7	0.36
20-May	1469	92	4.7	0.36
20-May	1470	103	7	0.54
20-May	1471	95	4.7	0.36

Period 1				
Date	Fish	Length	Weight	KC
5-May	77	115	8.9	0.59
5-May	160	115	8.9	0.59
5-May	70	120	8.9	0.52
5-May	90	120	8.9	0.52
5-May	163	120	8.9	0.52
5-May	17	115	9	0.59
5-May	40	120	9	0.52
5-May	172	120	9	0.52
5-May	21	115	9.1	0.60
5-May	131	115	9.1	0.60
5-May	179	120	9.1	0.53
5-May	56	120	9.3	0.54
5-May	156	120	9.3	0.54
5-May	2	120	9.5	0.55
5-May	152	120	9.5	0.55
5-May	8	115	9.6	0.63
5-May	76	120	9.6	0.56
5-May	29	120	9.8	0.57
5-May	69	120	9.8	0.57
5-May	159	120	9.8	0.57
5-May	102	125	10	0.51
5-May	139	120	10.1	0.58
5-May	133	120	10.2	0.59
5-May	169	125	10.2	0.52
5-May	53	120	10.3	0.60
5-May	58	130	10.4	0.47
5-May	73	130	10.5	0.48
5-May	15	120	10.6	0.61
5-May	114	125	10.6	0.54
5-May	130	125	10.8	0.55
5-May	67	125	10.9	0.56
5-May	100	130	11.6	0.53
5-May	166	130	11.7	0.53
5-May	101	135	12.2	0.50
5-May	165	135	12.6	0.51
5-May	129	135	13.2	0.54
5-May	105	140	13.3	0.48
5-May	80	140	13.4	0.49
5-May	68	135	13.8	0.56

Period 2				
Date	Fish	Length	Weight	KC
20-May	1472	87	4.2	0.32
20-May	1473	115	9.1	0.70
20-May	1474	110	7.3	0.56
20-May	1475	105	6.6	0.51
20-May	1476	87	3.3	0.25
20-May	1477	102	6.8	0.53
20-May	1478	83	3.3	0.25
20-May	1479	96	8.8	0.68
20-May	1480	97	5.8	0.45
20-May	1481	92	4.8	0.37
20-May	1482	94	4.7	0.36
20-May	1483	96	5.4	0.42
20-May	1484	102	6.4	0.49
20-May	1485	95	5.3	0.41
20-May	1486	105	6.7	0.52
20-May	1487	75	7.6	0.59
20-May	1488	84	3.5	0.27
20-May	1489	88	4.3	0.33
20-May	1490	91	4.6	0.36
20-May	1491	91	4.4	0.34
20-May	1492	91	4.4	0.34
20-May	1493	105	6.7	0.52
20-May	1494	94	4.9	0.38
20-May	1495	96	5.4	0.42
20-May	1496	83	3.5	0.27
20-May	1497	95	5.4	0.42
20-May	1498	102	6.9	0.53
20-May	1499	99	6.1	0.47
20-May	1500	100	5.1	0.39
20-May	1501	103	6.7	0.52
20-May	1502	85	3.4	0.26
20-May	1503	105	6.2	0.48
20-May	1504	81	2.5	0.19
20-May	1505	100	6.9	0.53
20-May	1506	104	6.1	0.47
20-May	1507	95	4.5	0.35
20-May	1508	91	3.2	0.25
20-May	1509	101	5.5	0.42
20-May	1510	95	5.4	0.42

Period 1				
Date	Fish	Length	Weight	KC
5-May	61	140	14.2	0.52
5-May	26	140	14.3	0.52
5-May	79	140	14.3	0.52
5-May	42	140	15.4	0.56
5-May	127	170	24.8	0.50
5-May	128	170	25.1	0.51
9-May	21	90	2.9	0.40
9-May	15	100	3.1	0.31
9-May	24	100	4	0.40
9-May	57	98	4.3	0.46
9-May	20	90	4.5	0.62
9-May	49	94	4.7	0.57
9-May	33	95	4.7	0.55
9-May	39	88	4.8	0.70
9-May	19	100	4.9	0.49
9-May	31	95	5	0.58
9-May	25	100	5.1	0.51
9-May	56	100	5.6	0.56
9-May	18	100	5.7	0.57
9-May	16	115	5.8	0.38
9-May	41	110	6	0.45
9-May	46	100	6.1	0.61
9-May	9	100	6.2	0.62
9-May	4	105	6.2	0.54
9-May	53	107	6.2	0.51
9-May	23	100	6.3	0.63
9-May	44	112	6.3	0.45
9-May	6	105	6.5	0.56
9-May	2	100	6.7	0.67
9-May	5	105	6.7	0.58
9-May	34	110	6.7	0.50
9-May	7	105	6.8	0.59
9-May	38	112	6.8	0.48
9-May	45	110	7	0.53
9-May	8	105	7.1	0.61
9-May	17	110	7.2	0.54
9-May	48	109	7.3	0.56
9-May	58	110	7.4	0.56
9-May	40	112	7.5	0.53

Period 2				
Date	Fish	Length	Weight	KC
20-May	1511	87	4.8	0.37
20-May	1512	95	4.9	0.38
20-May	1513	109	7.3	0.56
20-May	1514	94	5	0.39
20-May	1515	97	6.2	0.48
20-May	1516	86	3.8	0.29
20-May	1517	109	7	0.54
20-May	1518	77	3	0.23
20-May	1519	108	8.2	0.63
20-May	1520	105	6.5	0.50
20-May	1521	90	4.8	0.37
20-May	1522	89	4.4	0.34
20-May	1523	92	4.6	0.36
20-May	1524	87	4.4	0.34
20-May	1525	70	2.8	0.22
23-May	1526	105	7.1	0.55
23-May	1527	95	5.1	0.39
23-May	1528	95	5.5	0.42
23-May	1529	113	8.3	0.64
23-May	1530	101	6.2	0.48
23-May	1531	86	3.5	0.27
23-May	1532	98	4.4	0.34
23-May	1533	97	5.8	0.45
23-May	1534	99	4.9	0.38
23-May	1535	105	5.6	0.43
23-May	1536	105	6.4	0.49
23-May	1537	100	5.5	0.42
23-May	1538	91	4.4	0.34
23-May	1539	90	4.4	0.34
23-May	1540	107	6.7	0.52
23-May	1541	91	4.4	0.34
23-May	1542	100	5.6	0.43
23-May	1543	90	4	0.31
23-May	1544	94	4.8	0.37
23-May	1545	105	6.2	0.48
23-May	1546	92	4.5	0.35
23-May	1547	100	6.2	0.48
23-May	1548	87	3.6	0.28
23-May	1549	102	6.3	0.49

Period 1				
Date	Fish	Length	Weight	KC
9-May	51	115	8	0.53
9-May	37	109	8.1	0.63
9-May	47	114	8.1	0.55
9-May	14	85	8.5	1.38
9-May	28	115	8.5	0.56
9-May	59	88	8.8	1.29
9-May	22	110	8.9	0.67
9-May	52	118	9.4	0.57
9-May	55	110	9.6	0.72
9-May	43	120	9.8	0.57
9-May	13	115	9.9	0.65
9-May	29	120	9.9	0.57
9-May	32	115	10	0.66
9-May	10	125	10.2	0.52
9-May	54	118	10.5	0.64
9-May	42	125	10.5	0.54
9-May	3	125	10.9	0.56
9-May	11	125	11.2	0.57
9-May	30	125	11.2	0.57
9-May	35	125	11.4	0.58
9-May	36	107	11.5	0.94
9-May	27	130	11.5	0.52
9-May	60	130	11.7	0.53
9-May	1	125	12	0.61
9-May	26	130	12.1	0.55
9-May	50	137	12.8	0.50
9-May	12	135	13.6	0.55
10-May	122	91	3.2	0.42
10-May	26	90	4	0.55
10-May	175	90	4	0.55
10-May	100	91	4.1	0.54
10-May	27	100	4.1	0.41
10-May	10	94	4.2	0.51
10-May	49	92	4.3	0.55
10-May	67	90	4.4	0.60
10-May	176	98	4.5	0.48
10-May	34	90	4.7	0.64
10-May	25	95	4.7	0.55
10-May	174	95	4.7	0.55

Period 2				
Date	Fish	Length	Weight	KC
23-May	1550	92	4.5	0.35
23-May	1551	98	4.8	0.37
23-May	1552	91	4.3	0.33
23-May	1553	94	4.2	0.32
23-May	1554	99	5.4	0.42
23-May	1555	96	4.7	0.36
23-May	1556	102	5.3	0.41
23-May	1557	111	7.8	0.60
23-May	1558	99	4.9	0.38
23-May	1559	100	5.3	0.41
23-May	1560	102	6	0.46
23-May	1561	107	7.1	0.55
23-May	1562	105	6.4	0.49
23-May	1563	102	5.8	0.45
23-May	1564	91	4.8	0.37
23-May	1565	97	4.9	0.38
23-May	1566	90	3.8	0.29
23-May	1567	95	5	0.39
23-May	1568	95	4.8	0.37
23-May	1569	94	5.1	0.39
23-May	1570	95	4.9	0.38
23-May	1571	121	8.7	0.67
23-May	1572	91	4.2	0.32
23-May	1573	101	5.7	0.44
23-May	1574	122	9.2	0.71
23-May	1575	93	4.4	0.34
23-May	1576	96	4.5	0.35
23-May	1577	106	5.2	0.40
23-May	1578	97	5.4	0.42
23-May	1579	95	5.4	0.42
23-May	1580	109	6.6	0.51
23-May	1581	96	5.1	0.39
23-May	1582	93	4.5	0.35
23-May	1583	97	4.8	0.37
23-May	1584	89	3.4	0.26
23-May	1585	92	4.5	0.35
23-May	1586	94	4.5	0.35
23-May	1587	100	5	0.39
23-May	1588	104	6.3	0.49

Period 1				
Date	Fish	Length	Weight	KC
10-May	48	96	4.7	0.53
10-May	155	96	4.7	0.53
10-May	46	100	4.8	0.48
10-May	177	100	4.8	0.48
10-May	8	92	4.9	0.63
10-May	132	96	4.9	0.55
10-May	120	98	4.9	0.52
10-May	12	99	4.9	0.50
10-May	19	95	5	0.58
10-May	134	100	5	0.50
10-May	147	96	5.1	0.58
10-May	135	97	5.1	0.56
10-May	4	100	5.1	0.51
10-May	98	100	5.1	0.51
10-May	141	98	5.2	0.55
10-May	32	95	5.3	0.62
10-May	151	102	5.3	0.50
10-May	5	103	5.3	0.49
10-May	150	100	5.4	0.54
10-May	75	105	5.4	0.47
10-May	94	98	5.5	0.58
10-May	145	99	5.5	0.57
10-May	95	100	5.5	0.55
10-May	153	100	5.5	0.55
10-May	31	105	5.5	0.48
10-May	167	105	5.5	0.48
10-May	72	96	5.6	0.63
10-May	74	102	5.6	0.53
10-May	24	105	5.7	0.49
10-May	21	95	5.8	0.68
10-May	137	102	5.8	0.55
10-May	41	105	5.8	0.50
10-May	154	100	5.9	0.59
10-May	101	103	5.9	0.54
10-May	20	100	6	0.60
10-May	90	101	6	0.58
10-May	23	105	6	0.52
10-May	28	100	6.1	0.61
10-May	131	100	6.1	0.61

Period 2				
Date	Fish	Length	Weight	KC
23-May	1589	98	4.8	0.37
23-May	1590	82	3.2	0.25
23-May	1591	98	5.7	0.44
23-May	1592	115	7.7	0.59
23-May	1593	95	4.2	0.32
23-May	1594	99	5.7	0.44
23-May	1595	94	4.6	0.36
23-May	1596	84	3.6	0.28
23-May	1597	96	5.5	0.42
23-May	1598	93	4.7	0.36
23-May	1599	102	5.8	0.45
23-May	1600	96	4.9	0.38
23-May	1601	105	6.3	0.49
23-May	1602	95	4.7	0.36
23-May	1603	104	6.5	0.50
23-May	1604	98	5.4	0.42
23-May	1605	123	10.8	0.83
23-May	1606	103	6	0.46
23-May	1607	100	5.6	0.43
23-May	1608	98	4.9	0.38
23-May	1609	90	4	0.31
23-May	1610	102	5.7	0.44
23-May	1611	109	6.8	0.53
23-May	1612	91	4	0.31
23-May	1613	100	5.6	0.43
23-May	1614	100	5.5	0.42
23-May	1615	100	5.5	0.42
23-May	1616	93	4.7	0.36
23-May	1617	90	4.2	0.32
23-May	1618	103	8.4	0.65
23-May	1619	102	5.4	0.42
23-May	1620	88	3.9	0.30
23-May	1621	100	5.3	0.41
23-May	1622	92	4.2	0.32
23-May	1623	108	6.3	0.49
23-May	1624	106	6.2	0.48
23-May	1625	98	5.6	0.43
23-May	1626	95	5.2	0.40
23-May	1627	105	7.1	0.55

Period 1				
Date	Fish	Length	Weight	KC
10-May	104	102	6.1	0.57
10-May	33	104	6.1	0.54
10-May	133	104	6.1	0.54
10-May	30	105	6.1	0.53
10-May	15	106	6.1	0.51
10-May	165	100	6.2	0.62
10-May	58	102	6.2	0.58
10-May	73	106	6.2	0.52
10-May	16	110	6.2	0.47
10-May	125	101	6.3	0.61
10-May	128	103	6.3	0.58
10-May	173	104	6.3	0.56
10-May	148	105	6.3	0.54
10-May	180	104	6.4	0.57
10-May	22	105	6.4	0.55
10-May	62	105	6.4	0.55
10-May	158	105	6.4	0.55
10-May	11	105	6.5	0.56
10-May	54	105	6.5	0.56
10-May	61	105	6.5	0.56
10-May	76	105	6.5	0.56
10-May	89	105	6.5	0.56
10-May	123	105	6.5	0.56
10-May	178	105	6.5	0.56
10-May	3	105	6.6	0.57
10-May	99	107	6.6	0.54
10-May	29	108	6.6	0.52
10-May	77	110	6.6	0.50
10-May	81	106	6.7	0.56
10-May	86	107	6.7	0.55
10-May	78	108	6.7	0.53
10-May	35	110	6.7	0.50
10-May	79	110	6.7	0.50
10-May	113	104	6.8	0.60
10-May	105	108	6.8	0.54
10-May	60	104	6.9	0.61
10-May	85	109	6.9	0.53
10-May	102	109	6.9	0.53
10-May	59	110	6.9	0.52

Period 2				
Date	Fish	Length	Weight	KC
23-May	1628	93	4.7	0.36
23-May	1629	119	9.3	0.72
23-May	1630	104	6.2	0.48
23-May	1631	100	5.5	0.42
23-May	1632	96	4.9	0.38
23-May	1633	104	5.7	0.44
23-May	1634	101	6	0.46
23-May	1635	96	4.8	0.37
23-May	1636	100	4.9	0.38
23-May	1637	114	7.7	0.59
23-May	1638	119	9.2	0.71
23-May	1639	91	4.8	0.37
23-May	1640	96	5.4	0.42
23-May	1641	106	7.2	0.56
23-May	1642	100	5	0.39
23-May	1643	94	4.9	0.38
23-May	1644	96	4.8	0.37
23-May	1645	95	4.7	0.36
23-May	1646	101	6	0.46
23-May	1647	89	3.6	0.28
23-May	1648	92	4.7	0.36
23-May	1649	103	6.2	0.48
23-May	1650	101	6.1	0.47
23-May	1651	94	4.3	0.33
23-May	1652	99	5.3	0.41
23-May	1653	91	4.5	0.35
23-May	1654	104	6.2	0.48
23-May	1655	91	4.7	0.36
23-May	1656	97	5.2	0.40
23-May	1657	96	5.2	0.40
23-May	1658	100	5.1	0.39
23-May	1659	100	5.7	0.44
23-May	1660	116	7.8	0.60
23-May	1661	90	4.2	0.32
23-May	1662	93	4.4	0.34
23-May	1663	93	5.2	0.40
23-May	1664	98	5.4	0.42
23-May	1665	102	6	0.46
23-May	1666	101	5.8	0.45

Period 1				
Date	Fish	Length	Weight	KC
10-May	136	110	7	0.53
10-May	171	110	7	0.53
10-May	179	110	7	0.53
10-May	157	113	7	0.49
10-May	160	106	7.1	0.60
10-May	87	109	7.1	0.55
10-May	115	111	7.2	0.53
10-May	166	112	7.2	0.51
10-May	159	110	7.3	0.55
10-May	139	112	7.3	0.52
10-May	129	105	7.4	0.64
10-May	83	107	7.4	0.60
10-May	152	110	7.4	0.56
10-May	126	111	7.4	0.54
10-May	156	112	7.4	0.53
10-May	84	108	7.5	0.60
10-May	7	110	7.5	0.56
10-May	96	112	7.5	0.53
10-May	91	107	7.6	0.62
10-May	43	110	7.6	0.57
10-May	149	110	7.6	0.57
10-May	140	115	7.6	0.50
10-May	146	110	7.7	0.58
10-May	66	112	7.7	0.55
10-May	119	115	7.8	0.51
10-May	44	110	7.9	0.59
10-May	108	113	7.9	0.55
10-May	143	114	7.9	0.53
10-May	47	115	7.9	0.52
10-May	103	110	8	0.60
10-May	88	109	8.1	0.63
10-May	65	110	8.1	0.61
10-May	55	113	8.1	0.56
10-May	161	114	8.1	0.55
10-May	63	115	8.1	0.53
10-May	106	111	8.2	0.60
10-May	52	113	8.2	0.57
10-May	121	113	8.2	0.57
10-May	127	114	8.2	0.55

Period 2				
Date	Fish	Length	Weight	KC
23-May	1667	89	3.5	0.27
23-May	1668	109	6.7	0.52
23-May	1669	96	5	0.39
23-May	1670	110	7.5	0.58
23-May	1671	96	5	0.39
23-May	1672	100	5.4	0.42
23-May	1673	100	5.8	0.45
23-May	1674	94	5.1	0.39
23-May	1675	92	4.1	0.32
23-May	1676	100	4.9	0.38
23-May	1677	106	6.3	0.49
23-May	1678	95	4.8	0.37
23-May	1679	94	5.1	0.39
23-May	1680	97	5.1	0.39
23-May	1681	99	4.9	0.38
23-May	1682	91	4.1	0.32
23-May	1683	98	6.2	0.48
23-May	1684	81	2.8	0.22
23-May	1685	92	4.1	0.32
23-May	1686	111	7.7	0.59
23-May	1687	85	3.6	0.28
23-May	1688	91	5.5	0.42
23-May	1689	109	6	0.46
23-May	1690	100	5.6	0.43
23-May	1691	94	4.1	0.32
23-May	1692	97	5	0.39
23-May	1693	102	7.1	0.55
23-May	1694	114	8.2	0.63
23-May	1695	101	6.6	0.51
23-May	1696	116	7.5	0.58
23-May	1697	93	4	0.31
23-May	1698	102	6.4	0.49
23-May	1699	95	3.6	0.28
23-May	1700	103	6.5	0.50
23-May	1701	105	3.7	0.29
23-May	1702	96	4.8	0.37
23-May	1703	114	7.8	0.60
23-May	1704	108	6.5	0.50
23-May	1705	92	4.9	0.38

Period 1				
Date	Fish	Length	Weight	KC
10-May	57	115	8.2	0.54
10-May	109	114	8.3	0.56
10-May	144	114	8.4	0.57
10-May	163	115	8.4	0.55
10-May	64	115	8.5	0.56
10-May	142	115	8.5	0.56
10-May	169	110	8.6	0.65
10-May	2	120	8.6	0.50
10-May	53	115	8.7	0.57
10-May	116	115	8.7	0.57
10-May	36	115	8.8	0.58
10-May	56	115	8.9	0.59
10-May	107	116	8.9	0.57
10-May	118	118	8.9	0.54
10-May	138	121	9	0.51
10-May	114	115	9.1	0.60
10-May	14	120	9.1	0.53
10-May	168	120	9.1	0.53
10-May	6	118	9.2	0.56
10-May	69	120	9.2	0.53
10-May	97	121	9.2	0.52
10-May	51	115	9.3	0.61
10-May	124	116	9.3	0.60
10-May	42	120	9.3	0.54
10-May	170	120	9.3	0.54
10-May	9	114	9.4	0.63
10-May	80	120	9.4	0.54
10-May	68	125	9.4	0.48
10-May	50	118	9.5	0.58
10-May	82	118	9.5	0.58
10-May	92	124	9.5	0.50
10-May	162	116	9.7	0.62
10-May	130	119	9.7	0.58
10-May	39	122	9.7	0.53
10-May	18	120	9.8	0.57
10-May	38	125	9.9	0.51
10-May	1	125	10	0.51
10-May	117	131	10.4	0.46
10-May	172	122	10.5	0.58

Period 2				
Date	Fish	Length	Weight	KC
24-May	1706	84	2.4	0.19
24-May	1707	86	2.6	0.20
24-May	1708	88	2.9	0.22
24-May	1709	86	2.9	0.22
24-May	1710	92	3.2	0.25
24-May	1711	96	3.4	0.26
24-May	1712	109	4.8	0.37
24-May	1713	94	3	0.23
24-May	1714	100	4.1	0.32
24-May	1715	88	2.7	0.21
24-May	1716	82	2.1	0.16
24-May	1717	81	2.1	0.16
24-May	1718	105	4.4	0.34
24-May	1719	92	3.2	0.25
24-May	1720	94	3.2	0.25
24-May	1721	85	2.5	0.19
24-May	1722	103	4.2	0.32
24-May	1723	105	4.5	0.35
24-May	1724	105	4.6	0.36
24-May	1725	86	2.5	0.19
24-May	1726	100	4	0.31
24-May	1727	91	2.8	0.22
24-May	1728	94	3.5	0.27
24-May	1729	93	3.3	0.25
24-May	1730	93	2.9	0.22
24-May	1731	98	3.9	0.30
24-May	1732	84	2.7	0.21
24-May	1733	83	3.2	0.25
24-May	1734	85	2.4	0.19
24-May	1735	93	3.6	0.28
24-May	1736	96	3.4	0.26
24-May	1737	97	3.5	0.27
24-May	1738	99	3.7	0.29
24-May	1739	105	4.6	0.36
24-May	1740	104	4.2	0.32
24-May	1741	82	2.3	0.18
24-May	1742	93	3.1	0.24
24-May	1743	85	2.3	0.18
24-May	1744	91	2.9	0.22

Period 1				
Date	Fish	Length	Weight	KC
10-May	110	125	10.6	0.54
10-May	70	130	10.6	0.48
10-May	40	124	11	0.58
10-May	45	130	11.5	0.52
10-May	17	126	11.6	0.58
10-May	93	132	12.5	0.54
10-May	37	132	13	0.57
10-May	111	129	13.5	0.63
10-May	164	140	13.7	0.50
10-May	13	136	14.7	0.58
10-May	112	147	16.4	0.52
10-May	71	155	20.5	0.55
12-May	124	82	2.6	0.47
12-May	14	80	2.9	0.57
12-May	42	76	3.2	0.73
12-May	117	80	3.2	0.63
12-May	79	90	3.2	0.44
12-May	29	88	3.5	0.51
12-May	78	92	3.6	0.46
12-May	101	88	3.9	0.57
12-May	159	88	4	0.59
12-May	142	90	4.1	0.56
12-May	3	95	4.1	0.48
12-May	35	95	4.1	0.48
12-May	125	95	4.1	0.48
12-May	66	90	4.2	0.58
12-May	160	88	4.3	0.63
12-May	67	92	4.3	0.55
12-May	97	94	4.3	0.52
12-May	5	95	4.3	0.50
12-May	116	95	4.3	0.50
12-May	128	95	4.3	0.50
12-May	39	98	4.3	0.46
12-May	118	95	4.4	0.51
12-May	57	86	4.5	0.71
12-May	170	86	4.5	0.71
12-May	62	95	4.5	0.52
12-May	94	90	4.6	0.63
12-May	152	90	4.6	0.63

Period 2				
Date	Fish	Length	Weight	KC
24-May	1745	93	3.1	0.24
24-May	1746	98	3.9	0.30
24-May	1747	94	3.2	0.25
24-May	1748	99	3.8	0.29
24-May	1749	90	2.9	0.22
24-May	1750	90	2.7	0.21
24-May	1751	100	3.8	0.29
24-May	1752	88	2.8	0.22
24-May	1753	99	3.4	0.26
24-May	1754	96	3.2	0.25
24-May	1755	99	4	0.31
24-May	1756	94	3.4	0.26
24-May	1757	99	3.9	0.30
24-May	1758	110	5.2	0.40
24-May	1759	120	6.3	0.49
24-May	1760	141	22	1.70
24-May	1761	103	4	0.31
24-May	1762	94	3.4	0.26
24-May	1763	95	3.2	0.25
24-May	1764	85	2.6	0.20
24-May	1765	105	4.3	0.33
24-May	1766	96	3.4	0.26
24-May	1767	100	3.9	0.30
24-May	1768	88	2.8	0.22
24-May	1769	95	3.2	0.25
24-May	1770	90	3.1	0.24
24-May	1771	102	3.9	0.30
24-May	1772	95	3.5	0.27
24-May	1773	104	4.1	0.32
24-May	1774	85	2.3	0.18
24-May	1775	111	5.5	0.42
24-May	1776	110	4.7	0.36
24-May	1777	88	2.6	0.20
24-May	1778	95	3.6	0.28
24-May	1779	107	4.6	0.36
24-May	1780	107	4.4	0.34
24-May	1781	99	3.7	0.29
24-May	1782	95	3.3	0.25
24-May	1783	100	4.1	0.32

Period 1				
Date	Fish	Length	Weight	KC
12-May	6	78	4.7	0.99
12-May	100	95	4.7	0.55
12-May	85	96	4.7	0.53
12-May	20	94	4.8	0.58
12-May	58	95	4.8	0.56
12-May	89	98	4.8	0.51
12-May	144	95	4.9	0.57
12-May	157	90	5	0.69
12-May	60	95	5	0.58
12-May	86	95	5	0.58
12-May	59	98	5	0.53
12-May	155	100	5	0.50
12-May	162	90	5.1	0.70
12-May	34	95	5.1	0.59
12-May	83	95	5.1	0.59
12-May	158	95	5.1	0.59
12-May	61	98	5.1	0.54
12-May	120	100	5.1	0.51
12-May	36	92	5.2	0.67
12-May	40	98	5.2	0.55
12-May	43	98	5.2	0.55
12-May	126	104	5.2	0.46
12-May	71	110	5.2	0.39
12-May	81	98	5.3	0.56
12-May	64	100	5.3	0.53
12-May	18	95	5.4	0.63
12-May	21	95	5.4	0.63
12-May	9	102	5.4	0.51
12-May	153	95	5.5	0.64
12-May	68	98	5.5	0.58
12-May	156	98	5.5	0.58
12-May	161	94	5.6	0.67
12-May	41	100	5.6	0.56
12-May	121	95	5.7	0.66
12-May	133	100	5.7	0.57
12-May	166	100	5.7	0.57
12-May	17	101	5.7	0.55
12-May	92	102	5.7	0.54
12-May	38	95	5.8	0.68

Period 2				
Date	Fish	Length	Weight	KC
24-May	1784	91	2.9	0.22
24-May	1785	100	3.6	0.28
24-May	1786	87	2.2	0.17
24-May	1787	104	4.6	0.36
24-May	1788	95	3.1	0.24
24-May	1789	89	2.9	0.22
24-May	1790	98	3.4	0.26
24-May	1791	102	4.8	0.37
24-May	1792	122	6.1	0.47
24-May	1793	94	3.2	0.25
24-May	1794	98	3.8	0.29
24-May	1795	95	3.3	0.25
24-May	1796	103	4.6	0.36
24-May	1797	83	2.1	0.16
24-May	1798	95	2.6	0.20
24-May	1799	92	3.4	0.26
24-May	1800	101	4.2	0.32
24-May	1801	94	3	0.23
24-May	1802	102	4.6	0.36
24-May	1803	113	5.5	0.42
24-May	1804	101	3.6	0.28
24-May	1805	95	3.5	0.27
24-May	1806	100	4.1	0.32
24-May	1807	96	3.5	0.27
24-May	1808	164	12.6	0.97
24-May	1809	84	2.8	0.22
24-May	1810	85	2.2	0.17
24-May	1811	87	2.4	0.19
24-May	1812	83	2.7	0.21
24-May	1813	122	6.9	0.53
24-May	1814	93	3	0.23
24-May	1815	90	2.9	0.22
24-May	1816	90	2.7	0.21
24-May	1817	105	4.5	0.35
24-May	1818	89	2.5	0.19
24-May	1819	90	2.7	0.21
24-May	1820	85	2.5	0.19
24-May	1821	99	4	0.31
24-May	1822	103	4.2	0.32

Period 1				
Date	Fish	Length	Weight	KC
12-May	25	98	5.8	0.62
12-May	45	100	5.8	0.58
12-May	77	100	5.8	0.58
12-May	98	104	5.8	0.52
12-May	84	105	5.8	0.50
12-May	54	95	5.9	0.69
12-May	135	100	5.9	0.59
12-May	99	102	5.9	0.56
12-May	52	95	6	0.70
12-May	30	101	6	0.58
12-May	175	100	6.1	0.61
12-May	27	102	6.1	0.57
12-May	178	102	6.1	0.57
12-May	11	105	6.1	0.53
12-May	53	105	6.1	0.53
12-May	4	98	6.2	0.66
12-May	119	104	6.2	0.55
12-May	37	105	6.2	0.54
12-May	47	105	6.2	0.54
12-May	76	106	6.2	0.52
12-May	7	112	6.2	0.44
12-May	65	118	6.2	0.38
12-May	103	100	6.3	0.63
12-May	123	110	6.3	0.47
12-May	137	100	6.5	0.65
12-May	179	104	6.5	0.58
12-May	87	105	6.5	0.56
12-May	73	102	6.6	0.62
12-May	104	108	6.6	0.52
12-May	139	108	6.6	0.52
12-May	102	96	6.7	0.76
12-May	70	105	6.7	0.58
12-May	26	108	6.7	0.53
12-May	72	108	6.7	0.53
12-May	24	109	6.7	0.52
12-May	138	105	6.8	0.59
12-May	167	105	6.8	0.59
12-May	122	108	6.8	0.54
12-May	131	110	6.8	0.51

Period 2				
Date	Fish	Length	Weight	KC
24-May	1823	94	2.9	0.22
24-May	1824	97	3.2	0.25
24-May	1825	110	8.1	0.63
24-May	1826	101	4.3	0.33
24-May	1827	98	3.6	0.28
24-May	1828	93	3	0.23
24-May	1829	92	2.8	0.22
24-May	1830	95	2.7	0.21
24-May	1831	109	4.1	0.32
24-May	1832	83	2.5	0.19
24-May	1833	94	3.1	0.24
24-May	1834	88	3.1	0.24
24-May	1835	88	2.7	0.21
24-May	1836	88	3	0.23
24-May	1837	105	3.9	0.30
24-May	1838	95	3.3	0.25
24-May	1839	100	3.8	0.29
24-May	1840	93	3.2	0.25
24-May	1841	89	2.4	0.19
24-May	1842	95	3	0.23
24-May	1843	92	2.9	0.22
24-May	1844	98	3.7	0.29
24-May	1845	86	2.8	0.22
24-May	1846	92	3.3	0.25
24-May	1847	97	4.6	0.36
24-May	1848	88	2.5	0.19
24-May	1849	90	2.9	0.22
24-May	1850	107	4.9	0.38
24-May	1851	102	3.4	0.26
24-May	1852	102	4.3	0.33
24-May	1853	101	4.1	0.32
24-May	1854	105	4.4	0.34
24-May	1855	92	2.9	0.22
24-May	1856	107	4.6	0.36
24-May	1857	97	3.3	0.25
24-May	1858	94	3.5	0.27
24-May	1859	90	2.9	0.22
24-May	1860	94	2.7	0.21
24-May	1861	150	12.1	0.93

Period 1				
Date	Fish	Length	Weight	KC
12-May	143	104	6.9	0.61
12-May	115	105	6.9	0.60
12-May	93	110	6.9	0.52
12-May	91	105	7	0.60
12-May	105	105	7	0.60
12-May	165	105	7	0.60
12-May	15	106	7	0.59
12-May	44	110	7	0.53
12-May	95	112	7	0.50
12-May	48	98	7.1	0.75
12-May	173	104	7.1	0.63
12-May	164	108	7.1	0.56
12-May	2	110	7.1	0.53
12-May	16	110	7.2	0.54
12-May	55	110	7.2	0.54
12-May	88	110	7.2	0.54
12-May	112	110	7.2	0.54
12-May	46	112	7.2	0.51
12-May	90	109	7.3	0.56
12-May	172	102	7.4	0.70
12-May	171	105	7.4	0.64
12-May	174	108	7.4	0.59
12-May	108	110	7.4	0.56
12-May	145	110	7.4	0.56
12-May	154	110	7.4	0.56
12-May	132	115	7.4	0.49
12-May	1	110	7.5	0.56
12-May	63	110	7.5	0.56
12-May	56	115	7.5	0.49
12-May	74	110	7.6	0.57
12-May	163	110	7.6	0.57
12-May	69	108	7.7	0.61
12-May	114	115	7.7	0.51
12-May	134	105	7.8	0.67
12-May	50	110	7.8	0.59
12-May	107	115	7.8	0.51
12-May	31	114	7.9	0.53
12-May	10	110	8	0.60
12-May	96	113	8	0.55

Period 2				
Date	Fish	Length	Weight	KC
24-May	1862	109	3.9	0.30
24-May	1863	96	2.6	0.20
24-May	1864	89	1.9	0.15
24-May	1865	100	3.8	0.29
24-May	1866	100	3.7	0.29
24-May	1867	97	3.7	0.29
24-May	1868	102	4	0.31
24-May	1869	100	4.2	0.32
24-May	1870	99	3.3	0.25
24-May	1871	100	4.1	0.32
24-May	1872	100	4	0.31
24-May	1873	90	2.9	0.22
24-May	1874	110	5	0.39
24-May	1875	108	4.7	0.36
24-May	1876	106	3.9	0.30
24-May	1877	95	3	0.23
24-May	1878	100	3.4	0.26
24-May	1879	80	2	0.15
24-May	1880	90	3	0.23
24-May	1881	89	2.4	0.19
24-May	1882	90	2.5	0.19
24-May	1883	96	3.2	0.25
24-May	1884	101	3.8	0.29
24-May	1885	101	2.8	0.22
25-May	1886	98	5.4	0.42
25-May	1887	109	7.3	0.56
25-May	1888	114	6.3	0.49
25-May	1889	92	4.3	0.33
25-May	1890	94	4.6	0.36
25-May	1891	100	4.5	0.35
25-May	1892	85	4.5	0.35
25-May	1893	90	5.1	0.39
25-May	1894	101	6.1	0.47
25-May	1895	94	5.2	0.40
25-May	1896	91	4.5	0.35
25-May	1897	92	5.1	0.39
25-May	1898	109	7.7	0.59
25-May	1899	113	5.3	0.41
25-May	1900	95	4.8	0.37

Period 1				
Date	Fish	Length	Weight	KC
12-May	176	110	8.2	0.62
12-May	180	112	8.2	0.58
12-May	146	115	8.2	0.54
12-May	111	112	8.3	0.59
12-May	19	113	8.3	0.58
12-May	75	114	8.3	0.56
12-May	49	115	8.3	0.55
12-May	140	115	8.4	0.55
12-May	169	122	8.4	0.46
12-May	80	102	8.5	0.80
12-May	136	105	8.6	0.74
12-May	130	122	8.6	0.47
12-May	149	122	8.6	0.47
12-May	32	101	8.7	0.84
12-May	177	110	8.7	0.65
12-May	12	115	8.7	0.57
12-May	13	115	8.7	0.57
12-May	129	118	8.7	0.53
12-May	8	95	8.9	1.04
12-May	33	115	8.9	0.59
12-May	141	122	8.9	0.49
12-May	168	112	9	0.64
12-May	106	115	9	0.59
12-May	151	118	9.1	0.55
12-May	23	120	9.1	0.53
12-May	110	116	9.4	0.60
12-May	147	120	9.6	0.56
12-May	22	118	9.9	0.60
12-May	127	125	9.9	0.51
12-May	148	120	10.1	0.58
12-May	150	126	10.1	0.50
12-May	28	121	10.3	0.58
12-May	113	125	10.7	0.55
12-May	82	125	10.8	0.55
12-May	109	125	10.9	0.56
12-May	51	188	33.9	0.51
Average		110.45	7.74688	0.56
Min		70	1.4	0.06
Max		188	33.9	1.38

Period 2				
Date	Fish	Length	Weight	KC
25-May	1901	101	5.3	0.41
25-May	1902	87	3.8	0.29
25-May	1903	86	4.1	0.32
25-May	1904	102	5.4	0.42
25-May	1905	96	6.1	0.47
25-May	1906	95	4.1	0.32
25-May	1907	100	6.7	0.52
25-May	1908	119	9.5	0.73
25-May	1909	109	8	0.62
25-May	1910	105	8.1	0.63
25-May	1911	90	5.1	0.39
25-May	1912	160	15.8	1.22
25-May	1913	101	5.5	0.42
25-May	1914	82	2.5	0.19
25-May	1915	94	3	0.23
25-May	1916	102	3.5	0.27
25-May	1917	102	3.2	0.25
25-May	1918	101	5.4	0.42
25-May	1919	100	5.9	0.46
25-May	1920	114	7.8	0.60
25-May	1921	97	5.3	0.41
25-May	1922	101	5.6	0.43
25-May	1923	95	4.6	0.36
25-May	1924	84	3	0.23
25-May	1925	110	7.3	0.56
25-May	1926	113	6.7	0.52
25-May	1927	100	8.7	0.67
25-May	1928	109	7.1	0.55
25-May	1929	97	6.2	0.48
25-May	1930	110	7.8	0.60
25-May	1931	98	4.7	0.36
25-May	1932	95	4.7	0.36
25-May	1933	99	5.2	0.40
25-May	1934	100	8.7	0.67
25-May	1935	98	5.4	0.42
25-May	1936	85	3.9	0.30
25-May	1937	96	5.4	0.42
25-May	1938	92	4.3	0.33
25-May	1939	88	3.6	0.28

Period 1				
Date	Fish	Length	Weight	KC
SD		13.885	3.0568	0.0842

Period 2				
Date	Fish	Length	Weight	KC
25-May	1940	100	5.1	0.39
25-May	1941	98	5.2	0.40
25-May	1942	92	5.1	0.39
25-May	1943	99	5.5	0.42
25-May	1944	94	4.5	0.35
25-May	1945	94	4.9	0.38
25-May	1946	101	5.7	0.44
25-May	1947	98	4.9	0.38
25-May	1948	95	7.1	0.55
25-May	1949	95	4.8	0.37
25-May	1950	97	5	0.39
25-May	1951	112	7.8	0.60
25-May	1952	102	6.8	0.53
25-May	1953	98	5.9	0.46
25-May	1954	97	5.6	0.43
25-May	1955	95	4.2	0.32
25-May	1956	93	4.8	0.37
25-May	1957	98	5.7	0.44
25-May	1958	91	4.5	0.35
25-May	1959	86	4.9	0.38
25-May	1960	102	6.2	0.48
25-May	1961	96	4.9	0.38
25-May	1962	88	3.9	0.30
25-May	1963	75	2.5	0.19
25-May	1964	93	4.1	0.32
25-May	1965	89	3.9	0.30
25-May	1966	95	4.2	0.32
25-May	1967	100	5.9	0.46
25-May	1968	105	6.3	0.49
25-May	1969	95	5.3	0.41
25-May	1970	93	4.4	0.34
25-May	1971	93	4.6	0.36
25-May	1972	98	5.1	0.39
25-May	1973	100	5.4	0.42
25-May	1974	94	4.5	0.35
25-May	1975	102	6.2	0.48
25-May	1976	101	5.4	0.42
25-May	1977	91	4.1	0.32
25-May	1978	90	4.3	0.33

Period 1				
Date	Fish	Length	Weight	KC

Period 2				
Date	Fish	Length	Weight	KC
25-May	1979	90	4.1	0.32
25-May	1980	89	4	0.31
25-May	1981	85	3.7	0.29
25-May	1982	89	3.8	0.29
25-May	1983	98	5.3	0.41
25-May	1984	86	3.2	0.25
25-May	1985	109	7	0.54
25-May	1986	92	4.1	0.32
25-May	1987	104	5.7	0.44
25-May	1988	85	3.7	0.29
25-May	1989	87	3.8	0.29
25-May	1990	90	3.7	0.29
25-May	1991	105	6.4	0.49
25-May	1992	103	6	0.46
25-May	1993	90	4.5	0.35
25-May	1994	100	6	0.46
25-May	1995	98	5.4	0.42
25-May	1996	110	8.1	0.63
25-May	1997	108	7	0.54
25-May	1998	102	6	0.46
25-May	1999	88	4	0.31
25-May	2000	91	4.4	0.34
25-May	2001	100	5.4	0.42
25-May	2002	97	5.1	0.39
25-May	2003	90	4.5	0.35
25-May	2004	98	5.5	0.42
25-May	2005	103	6	0.46
25-May	2006	92	5	0.39
25-May	2007	95	4.6	0.36
25-May	2008	101	5.7	0.44
25-May	2009	100	5.7	0.44
25-May	2010	98	5.4	0.42
25-May	2011	101	5.5	0.42
25-May	2012	110	7.3	0.56
25-May	2013	88	4.1	0.32
25-May	2014	88	4.1	0.32
25-May	2015	100	5.5	0.42
25-May	2016	94	5.1	0.39
25-May	2017	86	3.8	0.29

Period 1				
Date	Fish	Length	Weight	KC

Period 2				
Date	Fish	Length	Weight	KC
25-May	2018	85	3.5	0.27
25-May	2019	100	6.1	0.47
25-May	2020	100	5.3	0.41
25-May	2021	87	4.1	0.32
25-May	2022	100	5.3	0.41
25-May	2023	107	6.8	0.53
25-May	2024	91	4.1	0.32
25-May	2025	96	5.3	0.41
25-May	2026	105	7.6	0.59
25-May	2027	90	4.3	0.33
25-May	2028	99	5.2	0.40
25-May	2029	91	4.4	0.34
25-May	2030	94	4.6	0.36
25-May	2031	96	5	0.39
25-May	2032	98	5.2	0.40
25-May	2033	92	4.2	0.32
25-May	2034	116	8.1	0.63
25-May	2035	95	5	0.39
25-May	2036	91	4.9	0.38
25-May	2037	90	4.3	0.33
25-May	2038	99	5	0.39
25-May	2039	100	5.5	0.42
25-May	2040	106	6.5	0.50
25-May	2041	95	4.8	0.37
25-May	2042	107	6.7	0.52
25-May	2043	98	4.7	0.36
25-May	2044	97	5.3	0.41
25-May	2045	106	6.8	0.53
25-May	2046	93	4.3	0.33
Average		**99.22**	**5.70618**	**0.44**
Min		70	1.9	0.15
Max		198	37.8	2.92
SD		11.554	2.79474	0.2158

Period 3				
Date	**Fish**	**Length**	**Weight**	**KC**
26-May	2047	210	27.5	0.30
26-May	2048	101	3.7	0.36
26-May	2049	106	4.4	0.37
26-May	2050	97	3	0.33
26-May	2051	78	2	0.42
26-May	2052	76	1.8	0.41
26-May	2053	80	3.2	0.63
26-May	2054	85	3.5	0.57
26-May	2055	96	4.7	0.53
26-May	2056	106	5.9	0.50
26-May	2057	101	5.7	0.55
26-May	2058	105	6.2	0.54
26-May	2059	102	6	0.57
26-May	2060	105	6.4	0.55
26-May	2061	101	6.1	0.59
26-May	2062	91	4.6	0.61
26-May	2063	91	4	0.53
26-May	2064	96	5.5	0.62
26-May	2065	93	4.2	0.52
26-May	2066	87	4.1	0.62
26-May	2067	93	4.6	0.57
26-May	2068	88	4.2	0.62
26-May	2069	85	3.2	0.52
26-May	2070	107	7.5	0.61
26-May	2071	110	7.1	0.53
26-May	2072	108	7	0.56
26-May	2073	100	5.5	0.55
26-May	2074	93	4.1	0.51
26-May	2075	108	7.1	0.56
26-May	2076	94	4.5	0.54
26-May	2077	95	5.4	0.63
26-May	2078	121	9.3	0.52
26-May	2079	92	4.8	0.62
26-May	2080	94	4.5	0.54
26-May	2081	94	4.4	0.53
26-May	2082	91	4.5	0.60
26-May	2083	90	4.1	0.56
26-May	2084	85	3.4	0.55

Period 3				
Date	Fish	Length	Weight	KC
26-May	2085	88	4	0.59
26-May	2086	92	4.6	0.59
26-May	2087	88	4	0.59
26-May	2088	80	2.8	0.55
26-May	2089	85	3.6	0.59
26-May	2090	100	5.9	0.59
26-May	2091	96	4.7	0.53
26-May	2092	90	4	0.55
26-May	2093	96	4.8	0.54
26-May	2094	93	4.8	0.60
26-May	2095	90	4.5	0.62
26-May	2096	100	6.4	0.64
26-May	2097	90	4.3	0.59
26-May	2098	97	5.3	0.58
26-May	2099	104	6.7	0.60
26-May	2100	91	4.5	0.60
26-May	2101	95	4.5	0.52
26-May	2102	90	4.4	0.60
26-May	2103	84	3.3	0.56
26-May	2104	104	4.7	0.42
26-May	2105	100	5.4	0.54
26-May	2106	83	3.3	0.58
26-May	2107	90	3.9	0.53
26-May	2108	94	5.3	0.64
26-May	2109	95	5.3	0.62
26-May	2110	98	5.3	0.56
26-May	2111	107	6.4	0.52
26-May	2112	102	5.1	0.48
26-May	2113	93	4.3	0.53
26-May	2114	96	5	0.57
26-May	2115	95	4.6	0.54
26-May	2116	95	4.9	0.57
26-May	2117	99	5.1	0.53
26-May	2118	102	6.1	0.57
26-May	2119	107	7.6	0.62
26-May	2120	112	8.3	0.59
26-May	2121	140	14.7	0.54
26-May	2122	97	5.7	0.62
26-May	2123	87	3.5	0.53

Period 3				
Date	Fish	Length	Weight	KC
26-May	2124	89	4.4	0.62
26-May	2125	90	4.2	0.58
26-May	2126	85	3.3	0.54
26-May	2127	85	3.5	0.57
26-May	2128	91	4.5	0.60
26-May	2129	109	6.7	0.52
26-May	2130	95	4.6	0.54
26-May	2131	97	4	0.44
26-May	2132	98	5.1	0.54
26-May	2133	98	5.6	0.59
26-May	2134	99	5.6	0.58
26-May	2135	98	5.4	0.57
26-May	2136	108	7.3	0.58
26-May	2137	93	4.6	0.57
26-May	2138	113	7.4	0.51
26-May	2139	104	5.8	0.52
26-May	2140	94	4.8	0.58
26-May	2141	115	7.1	0.47
26-May	2142	120	9.4	0.54
26-May	2143	89	3.8	0.54
26-May	2144	96	5.2	0.59
26-May	2145	90	4.3	0.59
26-May	2146	91	4.4	0.58
26-May	2147	102	5.6	0.53
26-May	2148	99	4.7	0.48
26-May	2149	105	6.3	0.54
26-May	2150	110	7.2	0.54
26-May	2151	93	4	0.50
26-May	2152	96	5	0.57
26-May	2153	86	3.9	0.61
26-May	2154	94	4.7	0.57
26-May	2155	85	3.3	0.54
26-May	2156	88	3.5	0.51
27-May	2157	85	3.6	0.59
27-May	2158	96	5.3	0.60
27-May	2159	87	3.8	0.58
27-May	2160	92	4.7	0.60
27-May	2161	100	5.7	0.57
27-May	2162	95	4.6	0.54

Period 3				
Date	**Fish**	**Length**	**Weight**	**KC**
27-May	2163	91	4.6	0.61
27-May	2164	89	4.5	0.64
27-May	2165	116	5.9	0.38
27-May	2166	91	4.6	0.61
27-May	2167	103	6.2	0.57
27-May	2168	91	4.4	0.58
27-May	2169	96	4.7	0.53
27-May	2170	90	4.3	0.59
27-May	2171	98	6.9	0.73
27-May	2172	90	4.5	0.62
27-May	2173	106	5.9	0.50
27-May	2174	97	5.5	0.60
27-May	2175	98	4.5	0.48
27-May	2176	94	5	0.60
27-May	2177	92	4.1	0.53
27-May	2178	105	6.1	0.53
27-May	2179	104	5.5	0.49
27-May	2180	98	6.5	0.69
27-May	2181	95	4.5	0.52
27-May	2182	98	5.3	0.56
27-May	2183	90	4	0.55
27-May	2184	98	5.5	0.58
27-May	2185	105	7.7	0.67
27-May	2186	97	5.1	0.56
27-May	2187	96	5.2	0.59
27-May	2188	87	4.1	0.62
27-May	2189	102	6.2	0.58
27-May	2190	90	4.2	0.58
27-May	2191	96	5.1	0.58
27-May	2192	93	4.5	0.56
27-May	2193	86	3.4	0.53
27-May	2194	98	5.1	0.54
27-May	2195	96	5	0.57
27-May	2196	98	5.1	0.54
27-May	2197	95	4.5	0.52
27-May	2198	93	4	0.50
27-May	2199	96	4.7	0.53
27-May	2200	96	5.1	0.58
27-May	2201	108	6.8	0.54

Period 3				
Date	Fish	Length	Weight	KC
27-May	2202	95	5	0.58
27-May	2203	90	4.4	0.60
27-May	2204	105	5.8	0.50
27-May	2205	103	6.5	0.59
27-May	2206	90	4.3	0.59
27-May	2207	100	6	0.60
27-May	2208	92	4.4	0.57
27-May	2209	103	6.4	0.59
27-May	2210	91	4.4	0.58
27-May	2211	88	4.3	0.63
27-May	2212	95	4.6	0.54
27-May	2213	88	4.3	0.63
27-May	2214	89	4.3	0.61
27-May	2215	92	4.9	0.63
27-May	2216	96	5.2	0.59
27-May	2217	100	5.4	0.54
27-May	2218	100	5.6	0.56
27-May	2219	95	5	0.58
27-May	2220	105	6.2	0.54
27-May	2221	98	5.2	0.55
27-May	2222	101	5.2	0.50
27-May	2223	120	8.9	0.52
27-May	2224	100	6	0.60
27-May	2225	102	5.5	0.52
27-May	2226	97	5.2	0.57
27-May	2227	90	4.3	0.59
27-May	2228	95	5.2	0.61
27-May	2229	85	3.7	0.60
27-May	2230	102	6.3	0.59
27-May	2231	85	3.9	0.64
27-May	2232	98	5	0.53
27-May	2233	95	5.8	0.68
27-May	2234	92	4.1	0.53
27-May	2235	94	4.1	0.49
27-May	2236	104	6	0.53
27-May	2237	97	5.4	0.59
27-May	2238	92	4.1	0.53
27-May	2239	103	5.6	0.51
27-May	2240	97	4.3	0.47

Period 3				
Date	**Fish**	**Length**	**Weight**	**KC**
27-May	2241	92	3.8	0.49
27-May	2242	106	6.1	0.51
27-May	2243	111	7.5	0.55
27-May	2244	108	6.7	0.53
27-May	2245	105	6.1	0.53
27-May	2246	87	3.1	0.47
27-May	2247	110	7.3	0.55
27-May	2248	92	4.4	0.57
27-May	2249	85	4.3	0.70
27-May	2250	90	4.1	0.56
27-May	2251	93	4.3	0.53
27-May	2252	102	4.9	0.46
27-May	2253	92	4.3	0.55
27-May	2254	99	5.4	0.56
27-May	2255	95	5.1	0.59
27-May	2256	102	5.4	0.51
27-May	2257	104	5.7	0.51
27-May	2258	95	4.3	0.50
27-May	2259	105	4.6	0.40
27-May	2260	100	5.5	0.55
27-May	2261	97	4.5	0.49
27-May	2262	90	4.8	0.66
27-May	2263	93	4.2	0.52
27-May	2264	81	3	0.56
27-May	2265	102	5.9	0.56
27-May	2266	102	5.9	0.56
27-May	2267	100	5.7	0.57
27-May	2268	92	4.5	0.58
27-May	2269	91	4.3	0.57
27-May	2270	95	4.5	0.52
27-May	2271	88	3.6	0.53
27-May	2272	88	4.9	0.72
27-May	2273	99	5.4	0.56
27-May	2274	99	5.3	0.55
27-May	2275	97	5.4	0.59
27-May	2276	92	4.5	0.58
27-May	2277	102	5.7	0.54
27-May	2278	98	5	0.53
27-May	2279	95	4.2	0.49

Period 3				
Date	**Fish**	**Length**	**Weight**	**KC**
27-May	2280	98	5.3	0.56
27-May	2281	93	4.8	0.60
27-May	2282	89	4.2	0.60
27-May	2283	105	6.2	0.54
27-May	2284	108	6.2	0.49
27-May	2285	111	7.3	0.53
27-May	2286	83	3.2	0.56
27-May	2287	88	4.3	0.63
27-May	2288	92	4.7	0.60
27-May	2289	97	4.7	0.51
27-May	2290	90	4	0.55
27-May	2291	93	4.2	0.52
27-May	2292	94	4.6	0.55
27-May	2293	99	5.2	0.54
27-May	2294	90	4.6	0.63
27-May	2295	95	4.5	0.52
27-May	2296	99	6	0.62
27-May	2297	89	3.8	0.54
27-May	2298	109	7.5	0.58
27-May	2299	95	5	0.58
27-May	2300	99	5.1	0.53
27-May	2301	94	4.1	0.49
27-May	2302	94	4.7	0.57
27-May	2303	108	7.5	0.60
27-May	2304	98	5.2	0.55
27-May	2305	90	4.5	0.62
27-May	2306	100	6.2	0.62
27-May	2307	93	4.5	0.56
27-May	2308	102	6.5	0.61
27-May	2309	93	4.5	0.56
27-May	2310	95	4.6	0.54
27-May	2311	96	4	0.45
27-May	2312	93	4.7	0.58
27-May	2313	96	5	0.57
27-May	2314	92	4.2	0.54
27-May	2315	94	4.8	0.58
27-May	2316	110	7.3	0.55
27-May	2317	97	3.8	0.42
27-May	2318	84	3.9	0.66

Period 3				
Date	**Fish**	**Length**	**Weight**	**KC**
27-May	2319	92	4.7	0.60
27-May	2320	81	3.7	0.70
27-May	2321	91	4	0.53
27-May	2322	97	4.6	0.50
27-May	2323	92	3.9	0.50
27-May	2324	111	7.5	0.55
27-May	2325	93	3.7	0.46
27-May	2326	100	5.2	0.52
27-May	2327	100	6.6	0.66
27-May	2328	95	5.6	0.65
27-May	2329	101	6.5	0.63
27-May	2330	100	5.2	0.52
27-May	2331	88	3.7	0.54
27-May	2332	98	4.7	0.50
27-May	2333	102	5.7	0.54
27-May	2334	105	5.5	0.48
27-May	2335	100	5.5	0.55
30-May	2336	100	5.5	0.55
30-May	2337	105	5.5	0.48
30-May	2338	102	5.7	0.54
30-May	2339	98	4.7	0.50
30-May	2340	88	3.7	0.54
30-May	2341	100	5.2	0.52
30-May	2342	85	7.6	1.24
30-May	2343	106	5.4	0.45
30-May	2344	96	4.7	0.53
30-May	2345	90	4.5	0.62
30-May	2346	92	4.1	0.53
30-May	2347	98	6.5	0.69
30-May	2348	98	5.5	0.58
30-May	2349	96	5.2	0.59
30-May	2350	102	4.1	0.39
30-May	2351	90	4.2	0.58
30-May	2352	88	4.3	0.63
30-May	2353	87	4.7	0.71
30-May	2354	111	7.2	0.53
30-May	2355	108	7	0.56
30-May	2356	96	4	0.45
30-May	2357	92	4.2	0.54

Period 3				
Date	Fish	Length	Weight	KC
30-May	2358	97	7.3	0.80
30-May	2359	102	5.5	0.52
30-May	2360	105	6.2	0.54
30-May	2361	98	6.9	0.73
30-May	2362	102	5.7	0.54
30-May	2363	86	3.4	0.53
30-May	2364	95	4.5	0.52
30-May	2365	108	6.8	0.54
30-May	2366	105	5.8	0.50
30-May	2367	100	6	0.60
30-May	2368	89	4.3	0.61
30-May	2369	104	6	0.53
30-May	2370	102	5.5	0.52
30-May	2371	94	5	0.60
30-May	2372	98	6.6	0.70
30-May	2373	110	7.3	0.55
30-May	2374	102	5.9	0.56
30-May	2375	99	5.4	0.56
30-May	2376	96	5	0.57
30-May	2377	108	6.7	0.53
30-May	2378	90	4.4	0.60
30-May	2379	91	4.6	0.61
30-May	2380	85	3.6	0.59
30-May	2381	110	7.2	0.54
30-May	2382	100	5.1	0.51
30-May	2383	100	5.2	0.52
30-May	2384	102	5.4	0.51
30-May	2385	99	5.2	0.54
30-May	2386	81	7	1.32
30-May	2387	104	6	0.53
30-May	2388	120	8.9	0.52
30-May	2389	105	6.2	0.54
30-May	2390	100	5.4	0.54
30-May	2391	100	5.7	0.57
30-May	2392	93	5.1	0.63
30-May	2393	93	4.5	0.56
30-May	2394	102	6.2	0.58
30-May	2395	98	5.1	0.54
30-May	2396	96	5.2	0.59

Period 3				
Date	Fish	Length	Weight	KC
30-May	2397	105	5.4	0.47
30-May	2398	98	6.5	0.69
30-May	2399	98	5.7	0.61
30-May	2400	108	7.4	0.59
30-May	2401	99	5.1	0.53
30-May	2402	96	5.2	0.59
30-May	2403	103	6.5	0.59
30-May	2404	97	4.3	0.47
30-May	2405	92	3.8	0.49
30-May	2406	104	6	0.53
30-May	2407	101	5.2	0.50
30-May	2408	105	6.2	0.54
30-May	2409	100	5.4	0.54
30-May	2410	90	4.5	0.62
30-May	2411	104	5.5	0.49
30-May	2412	105	7.7	0.67
30-May	2413	93	4.5	0.56
30-May	2414	108	6.8	0.54
30-May	2415	105	5.8	0.50
30-May	2416	100	6	0.60
30-May	2417	103	6.5	0.59
30-May	2418	91	4.3	0.57
30-May	2419	88	4	0.59
30-May	2420	111	7.3	0.53
30-May	2421	100	5.7	0.57
30-May	2422	92	4.5	0.58
30-May	2423	110	7.3	0.55
30-May	2424	76	3.7	0.84
30-May	2425	99	5.3	0.55
30-May	2426	111	6	0.44
30-May	2427	103	6.5	0.59
30-May	2428	108	6.8	0.54
30-May	2429	95	5	0.58
30-May	2430	101	6.5	0.63
30-May	2431	86	3.4	0.53
30-May	2432	90	4	0.55
30-May	2433	93	4.2	0.52
30-May	2434	85	4.3	0.70
30-May	2435	106	6.1	0.51

Period 3				
Date	**Fish**	**Length**	**Weight**	**KC**
30-May	2436	90	4.1	0.56
30-May	2437	108	5.4	0.43
30-May	2438	89	4.5	0.64
30-May	2439	97	5.5	0.60
30-May	2440	104	6	0.53
30-May	2441	89	4.2	0.60
30-May	2442	103	6.2	0.57
30-May	2443	109	7.5	0.58
30-May	2444	120	9.1	0.53
30-May	2445	97	5.1	0.56
30-May	2446	105	5.6	0.48
30-May	2447	92	4.5	0.58
30-May	2448	110	7.3	0.55
30-May	2449	100	6.6	0.66
30-May	2450	105	5.3	0.46
30-May	2451	93	4.4	0.55
30-May	2452	90	4.3	0.59
30-May	2453	89	4.3	0.61
30-May	2454	96	5.2	0.59
31-May	2455	87	4.3	0.65
31-May	2456	95	4.9	0.57
31-May	2457	94	4.6	0.55
31-May	2458	93	4	0.50
31-May	2459	90	3.5	0.48
31-May	2460	100	6.6	0.66
31-May	2461	92	4.3	0.55
31-May	2462	85	3.6	0.59
31-May	2463	100	5.3	0.53
31-May	2464	95	5	0.58
31-May	2465	91	4.3	0.57
31-May	2466	88	4.3	0.63
31-May	2467	89	3.5	0.50
31-May	2468	95	4.4	0.51
31-May	2469	93	4.6	0.57
31-May	2470	105	6.1	0.53
31-May	2471	95	4.5	0.52
31-May	2472	92	4.6	0.59
31-May	2473	92	4.4	0.57
31-May	2474	101	5.4	0.52

Period 3				
Date	Fish	Length	Weight	KC
31-May	2475	90	4.3	0.59
31-May	2476	104	5.8	0.52
31-May	2477	105	6.4	0.55
31-May	2478	106	6.1	0.51
31-May	2479	88	3.8	0.56
31-May	2480	100	5.9	0.59
31-May	2481	95	4.9	0.57
31-May	2482	104	5.7	0.51
31-May	2483	100	5.2	0.52
31-May	2484	100	5.3	0.53
31-May	2485	92	4.3	0.55
31-May	2486	78	2.8	0.59
31-May	2487	103	5.7	0.52
31-May	2488	89	4.2	0.60
31-May	2489	105	7.1	0.61
31-May	2490	108	6.5	0.52
31-May	2491	107	6.5	0.53
31-May	2492	82	3	0.54
31-May	2493	90	4.7	0.64
31-May	2494	87	3.9	0.59
31-May	2495	94	4.9	0.59
31-May	2496	95	4.6	0.54
31-May	2497	120	10	0.58
31-May	2498	86	4.1	0.64
31-May	2499	91	4	0.53
31-May	2500	87	4.3	0.65
31-May	2501	91	4.5	0.60
31-May	2502	100	5.5	0.55
31-May	2503	87	3.9	0.59
31-May	2504	100	6.4	0.64
31-May	2505	100	4.9	0.49
31-May	2506	80	2.7	0.53
31-May	2507	90	3.7	0.51
31-May	2508	95	4.9	0.57
31-May	2509	90	3.7	0.51
31-May	2510	85	3.2	0.52
31-May	2511	100	5.2	0.52
31-May	2512	95	5	0.58
31-May	2513	95	3.6	0.42

Period 3				
Date	Fish	Length	Weight	KC
31-May	2514	100	6.9	0.69
31-May	2515	100	5.2	0.52
31-May	2516	85	3.4	0.55
31-May	2517	103	5.7	0.52
31-May	2518	92	4.2	0.54
31-May	2519	95	6	0.70
31-May	2520	100	4.7	0.47
31-May	2521	90	4.2	0.58
31-May	2522	100	5.2	0.52
31-May	2523	100	5.9	0.59
31-May	2524	88	4.4	0.65
31-May	2525	90	4.5	0.62
31-May	2526	87	3.9	0.59
31-May	2527	85	3.2	0.52
31-May	2528	95	4.2	0.49
31-May	2529	90	4.1	0.56
31-May	2530	79	3	0.61
31-May	2531	92	4.6	0.59
31-May	2532	93	4.7	0.58
31-May	2533	88	3.6	0.53
31-May	2534	97	5	0.55
31-May	2535	84	3.3	0.56
31-May	2536	95	4.5	0.52
31-May	2537	95	5	0.58
31-May	2538	92	3.9	0.50
31-May	2539	89	3.7	0.52
31-May	2540	98	4.5	0.48
31-May	2541	92	5.3	0.68
31-May	2542	91	4.7	0.62
31-May	2543	94	4.2	0.51
31-May	2544	104	6.3	0.56
31-May	2545	85	4.6	0.75
31-May	2546	103	7.2	0.66
31-May	2547	99	5.6	0.58
31-May	2548	90	4	0.55
31-May	2549	99	5.2	0.54
31-May	2550	96	4.6	0.52
31-May	2551	99	5.6	0.58
31-May	2552	92	4.5	0.58

Period 3				
Date	**Fish**	**Length**	**Weight**	**KC**
31-May	2553	95	4.8	0.56
31-May	2554	94	4.9	0.59
31-May	2555	95	5	0.58
31-May	2556	98	6	0.64
31-May	2557	89	4.3	0.61
31-May	2558	100	5.1	0.51
31-May	2559	104	5.5	0.49
31-May	2560	90	3.8	0.52
31-May	2561	95	4	0.47
31-May	2562	96	4.1	0.46
31-May	2563	98	4.8	0.51
31-May	2564	100	5.2	0.52
2-Jun	2565	95	5.6	0.65
2-Jun	2566	83	3.4	0.59
2-Jun	2567	90	4.7	0.64
2-Jun	2568	104	6.2	0.55
2-Jun	2569	96	5.3	0.60
2-Jun	2570	95	5.5	0.64
2-Jun	2571	104	6.6	0.59
2-Jun	2572	98	5.6	0.59
2-Jun	2573	104	4.9	0.44
2-Jun	2574	97	5.3	0.58
2-Jun	2575	78	3.2	0.67
2-Jun	2576	88	4.1	0.60
2-Jun	2577	95	5.5	0.64
2-Jun	2578	81	3.1	0.58
2-Jun	2579	85	3.7	0.60
2-Jun	2580	87	3.7	0.56
2-Jun	2581	84	4.1	0.69
2-Jun	2582	88	3.9	0.57
2-Jun	2583	94	4.7	0.57
2-Jun	2584	101	5.6	0.54
2-Jun	2585	80	3.5	0.68
2-Jun	2586	105	6.7	0.58
2-Jun	2587	85	3.9	0.64
2-Jun	2588	95	4.4	0.51
2-Jun	2589	90	4.6	0.63
2-Jun	2590	97	5.2	0.57
2-Jun	2591	100	5.8	0.58

Period 3				
Date	**Fish**	**Length**	**Weight**	**KC**
2-Jun	2592	88	4.6	0.68
2-Jun	2593	90	4.3	0.59
2-Jun	2594	96	5.5	0.62
2-Jun	2595	94	5	0.60
2-Jun	2596	89	3.9	0.55
2-Jun	2597	92	4.8	0.62
2-Jun	2598	97	5.3	0.58
2-Jun	2599	84	3.8	0.64
2-Jun	2600	85	3.9	0.64
2-Jun	2601	98	5	0.53
2-Jun	2602	97	5.2	0.57
2-Jun	2603	93	4.5	0.56
2-Jun	2604	91	4.6	0.61
2-Jun	2605	96	3.6	0.41
2-Jun	2606	92	4.4	0.57
2-Jun	2607	90	4.3	0.59
2-Jun	2608	90	4.5	0.62
2-Jun	2609	82	3.4	0.62
2-Jun	2610	106	4.6	0.39
2-Jun	2611	82	3.8	0.69
2-Jun	2612	96	4.3	0.49
2-Jun	2613	86	3.9	0.61
2-Jun	2614	103	5.1	0.47
2-Jun	2615	85	4	0.65
2-Jun	2616	91	4.4	0.58
2-Jun	2617	100	6.6	0.66
2-Jun	2618	81	3.4	0.64
2-Jun	2619	85	3.5	0.57
2-Jun	2620	91	4.2	0.56
2-Jun	2621	97	4.9	0.54
2-Jun	2622	88	4.6	0.68
2-Jun	2623	88	4.8	0.70
2-Jun	2624	86	4.4	0.69
Average		**96.171**	**5.08149**	**0.56**
Min		76	1.8	0.30
Max		210	27.5	1.32
SD		9.1254	1.52838	0.0742

Appendix F. Daily water level and temperature during the fall 2009 adult migration period.

Date	Water Temp (C°)	Air Temp (C°)	Water Level (cm)	Weather	Comment
16-Oct	-	-	-	-	
17-Oct	10	18	80	Rainy	
18-Oct	11	10	78	Sunny/Cloudy	
19-Oct	10	10	74	Sunny/Cloudy	
20-Oct	11	11	70	Cloudy	
21-Oct	10	11	70	Sunny/Cloudy	
22-Oct	10.6	10	67	Coudy	Overcast
23-Oct	10.1	10.8	69	Rainy	
24-Oct	8.2	9.1	70	Sunny	
25-Oct	7.6	7.2	70	Cloudy	Afternoon Showers
26-Oct	8.5	8.3	73	Sunny	
27-Oct	7.2	4	73	Sunny	
28-Oct	6.6	3.7	70	Sunny/Cloudy	
29-Oct	7	6.8	92	Rainy	Water level high
30-Oct	7.8	8.2	91	Cloudy	Light Foy
31-Oct	7.4	6.4	93	Cloudy	
1-Nov	7.9	9	92	Cloudy	
2-Nov	7.8	10.2	93	Cloudy	
3-Nov	8.3	7.2	80	Cloudy	
4-Nov	7	2.4	78	Cloudy	
5-Nov	8.5	10.3	82	Rainy	Blowing 40 and Raining hard.
6-Nov	8.1	8.4	116	Sunny/Cloudy	Sun & Cloud
7-Nov	6.9	1	114	Sunny/Cloudy	
8-Nov	6.8	5.2	108	Cloudy/Rainy	
9-Nov	7.6	9.5	160	Sunny/Cloudy	Flood conditions water up to 3rd step on bulk head
10-Nov	7.6	3.5	160	Cloudy	Flood conditions water up to 3rd step on bulk head
11-Nov	7.5	4.5	-	Cloudy	Water gauge washed away
12-Nov	7.7	6	-	Cloudy	
13-Nov	6.9	4.7	-	-	
14-Nov	4.5	1.8	-	Cloudy	Even with counting fence
15-Nov	6.7	7	-	Rainy	
16-Nov	6.8	7.5	-	Sunny/Cloudy	

Appendix G. Adult coho data, Black Creek fall fence, 2009.

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
16-Oct	-	1	42	N	1282			
16-Oct	-	1	62	N	1285			
16-Oct	F	-	62	N	1251			
16-Oct	F	-	64	N	1252			
16-Oct	F	-	68	N	1261			1256-1260 WASTED
16-Oct	F	-	53	N	1262			
16-Oct	F	-	66	N				
16-Oct	F	-	67	N	1264			
16-Oct	F	-	55	N	1266			
16-Oct	F	-	68	N	1267			
16-Oct	F	2	63	N	1269			
16-Oct	F	-	66	-	1270			
16-Oct	F	2	68	-	1271			PREDATOR MARKS
16-Oct	F	2	58	N	1273			
16-Oct	F	2	53	N	1274			
16-Oct	F	1	56	-	1275			
16-Oct	F	1	66	Y	1276			
16-Oct	F	2	71	N	1280			
16-Oct	F	2	69	N	1281			
16-Oct	F	2	62	N	1284			
16-Oct	F	2	69	N	1286			
16-Oct	F	1	60	N	1287			
16-Oct	F	2	61	N	1288			
16-Oct	F	1	69	N	1290			
16-Oct	F	2	48	N	1296			1295 WASTED
16-Oct	F	2	62	N	1298			
16-Oct	F	1	64	N	1300			1299 WASTED
16-Oct	F	2	76	N	1301			
16-Oct	F	1	66	N	1304			
16-Oct	F	1	58	N	1305			
16-Oct	F	1	54	-				CLIPPED
16-Oct	F	2	67	N	1318			
16-Oct	F	3	60	N	1320			
16-Oct	F	1	65	N	1323			
16-Oct	F	2	60	N	1325			
16-Oct	F	2	72	-				
16-Oct	F	1	58	N	1330			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
16-Oct	F	2	61	N	1332			
16-Oct	F	1	66	N	1335			
16-Oct	F	1	70	N	1336			
16-Oct	F	2	69	N	1339			
16-Oct	F	1	65	N	1340			
16-Oct	F	2	65	N	1341			
16-Oct	F	1	65	N	1342			
16-Oct	F	3	70	Y	1343			
16-Oct	F	2	62	N	1344			
16-Oct	F	2	62	N	1346			
16-Oct	F	2	65	Y	1348			
16-Oct	F	2	68	N	1349			
16-Oct	F	3	68	N	1351			
16-Oct	F	2	67	N	1353			
16-Oct	F	2	55	Y	1355			
16-Oct	F	2	59	N	1356			
16-Oct	F	3	66	N	1359			
16-Oct	F	3	66	N	1361			
16-Oct	F	2	70	N	1363			
16-Oct	F	3	69	N	1366			
16-Oct	F	2	58	N	1367			
16-Oct	F	2	72	Y	1369			
16-Oct	F	1	68	N	1372			
16-Oct	F	1	66	N	1373			
16-Oct	F	1	72	N	1374			
16-Oct	F	1	60	N	1377			
16-Oct	F	3	65	N	1378			
16-Oct	F	2	72	N	1380			
16-Oct	F	2	74	N	1381			
16-Oct	F	2	71	N	1383			
16-Oct	F	2	65	N	1385			
16-Oct	F	2	69	N	1386			
16-Oct	F	2	75	N	1389			
16-Oct	F	2	71	N	1392			
16-Oct	F	2	66	N	1395			
16-Oct	F	1	47	-	1398			
16-Oct	F	1	49	-	1400			
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	J	-	-	-				
16-Oct	M	-	69	N	1254			
16-Oct	M	-	68	Y	1255			
16-Oct	M	-	55	N	1263			
16-Oct	M	-	62	N	1265			
16-Oct	M	-	45	N	1268			
16-Oct	M	3	68	N	1272			
16-Oct	M	3	64	N	1277			
16-Oct	M	-	55	N	1278			
16-Oct	M	2	48	-	1279			
16-Oct	M	3	67	N	1283			
16-Oct	M	2	72	N	1289			
16-Oct	M	1	63	N	1292			1291 WASTED
16-Oct	M	3	68	N	1293			
16-Oct	M	2	67	N	1294			
16-Oct	M	3	67	N	1297			
16-Oct	M	-	66	N	1253			
16-Oct	M	-	63	N				
16-Oct	M	2	65	N	1303			1302 WASTED
16-Oct	M	2	77	N	1306			
16-Oct	M	2	65	N	1307			
16-Oct	M	1	70	Y	1308			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
16-Oct	M	3	54	N	1309			
16-Oct	M	3	70	N	1310			
16-Oct	M	2	70	N	1311			
16-Oct	M	2	67	N	1312			
16-Oct	M	3	65	Y	1313			
16-Oct	M	2	65	N	1314			
16-Oct	M	3	79	N	1315			
16-Oct	M	2	64	N	1316			
16-Oct	M	1	56	N	1317			
16-Oct	M	2	65	N	1319			
16-Oct	M	1	63	N	1321			
16-Oct	M	2	70	N	1322			
16-Oct	M	2	70	N	1324			
16-Oct	M	2	68	N	1326			
16-Oct	M	1	65	N	1327			
16-Oct	M	2	65	N	1328			
16-Oct	M	3	61	N	1329			
16-Oct	M	3	72	Y	1334			
16-Oct	M	3	64	Y	1337			
16-Oct	M	2	71	Y	1338			
16-Oct	M	3	80	-				
16-Oct	M	3	72	N	1345			
16-Oct	M	2	56	-	1347			
16-Oct	M	3	66	-	1350			
16-Oct	M	3	74	N	1352			
16-Oct	M	2	72	N	1354			
16-Oct	M	2	63	N	1357			
16-Oct	M	2	74	Y	1358			
16-Oct	M	3	67	N	1360			
16-Oct	M	2	60	N	1362			
16-Oct	M	3	76	N	1364			
16-Oct	M	2	69	N	1365			
16-Oct	M	2	54	N	1368			
16-Oct	M	1	74	N	1370			
16-Oct	M	3	65	N	1371			
16-Oct	M	2	75	N	1375			
16-Oct	M	2	72	Y	1376			
16-Oct	M	3	71	N	1379			
16-Oct	M	2	74	N	1382			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
16-Oct	M	2	65	N	1384			
16-Oct	M	3	71	N	1387			
16-Oct	M	2	64	N	1388			
16-Oct	M	2	73	N	1390			
16-Oct	M	1	67	N	1391			
16-Oct	M	3	77	N	1393			
16-Oct	M	2	55	Y	1394			
16-Oct	M	2	49	N	1396			
16-Oct	M	1	71	N	1397			
16-Oct	M	2	74	-	1399			
17-Oct	,M	2	62	Y	1432			
17-Oct	F	2	66	N	1401			
17-Oct	F	2	69	N	1403			1402 WASTED
17-Oct	F	2	73	N	1404			
17-Oct	F	2	66	Y	1407			1406 WASTED
17-Oct	F	2	69	N	1408			
17-Oct	F	2	72	N	1409			
17-Oct	F	2	68	Y	1410			
17-Oct	F	2	71	N	1412			
17-Oct	F	2	71	N	1417			
17-Oct	F	3	69	N	1419			
17-Oct	F	2	71	N	1425			
17-Oct	F	2	66	N	1427			1426 WASTED
17-Oct	F	2	70	Y	1430			1428,1429 WASTED
17-Oct	F	1	71	Y	1434			PREDATOR MARKS
17-Oct	F	1	76	Y	1435			
17-Oct	F	2	79	N	1436			
17-Oct	F	3	70	N	1437			
17-Oct	F	-	71	N	1439			
17-Oct	F	-	77	N	1440			
17-Oct	F	-	67	N	1441			
17-Oct	F	-	68	-	1444			1443 WASTED
17-Oct	F	-	71	Y	1447			1446 WASTED
17-Oct	F	-	72	N	1450			
17-Oct	F	-	68	Y	1452			
17-Oct	F	1	67	N	1458			1455,1456,1457 WASTED
17-Oct	F	-	76	N	1459			
17-Oct	F	-	74	N	1461			
17-Oct	F	-	66	N	1463			1462 WASTED, PREDATOR MARKS

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	F	-	73	N	1464			
17-Oct	F	-	69	N	1465			
17-Oct	F	-	74	N	1467			
17-Oct	F	-	64	N	1472			
17-Oct	F	-	71	-				ESCAPED
17-Oct	F	-	71	N	1473			
17-Oct	F	-	69	Y				
17-Oct	F	-	69	N	1477			
17-Oct	F	-	72	Y	1478			
17-Oct	F	-	75	Y	1482			1480,1481 WASTED
17-Oct	F	3	68	N	1488			1483-1487 WASTED
17-Oct	F	-	64	Y	1489			
17-Oct	F	-	67	N	1501			1491-1500 WASTED
17-Oct	F	-	65	N	1502			
17-Oct	F	-	70	N	1505			1504 WASTED
17-Oct	F	-	65	N	1506			
17-Oct	F	-	71	N	1509			
17-Oct	F	-	68	N	1510			
17-Oct	F	-	75	N	1511			
17-Oct	F	-	63	N	1515			
17-Oct	F	-	73	N	1516			
17-Oct	F	-	68	N	1523			1517-1522 WASTED
17-Oct	F	-	72	N	1525			
17-Oct	F	-	68	N	1528			
17-Oct	F	-	67	N	1529			
17-Oct	F	-	68	N	1530			
17-Oct	F	-	65	N	1533			ONE ESCAPED, 1532 WASTED
17-Oct	F	-	69	N	1534			
17-Oct	F	-	68	N	1537			1536 WASTED
17-Oct	F	-	71	N	1538			PREDATOR MARK
17-Oct	F	-	75	Y	1541			
17-Oct	F	-	65	N	1542			
17-Oct	F	-	68	N	1543			
17-Oct	F	-	60	N	1545			
17-Oct	F	-	73	N	1546			
17-Oct	F	-	73	N	1548			
17-Oct	F	-	70	N	1550			
17-Oct	F	-	64	N	1551			
17-Oct	F	-	74	N	1553			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	F	-	64	N	1554			PREDATOR MARKS
17-Oct	F	-	69	Y	1555			
17-Oct	F	-	64	N	1557			
17-Oct	F	-	72	N	1558			
17-Oct	F	-	61	N	1559			
17-Oct	F	-	69	N	1560			
17-Oct	F	-	79	N	1562			1561 WASTED
17-Oct	F	-	69	N	1563			
17-Oct	F	-	65	N	1564			
17-Oct	F	-	72	N	1565			
17-Oct	F	-	69	Y	1566			
17-Oct	F	-	70	N	1567			
17-Oct	F	-	66	N	1571			
17-Oct	F	-	65	N	1572			
17-Oct	F	-	68	N	1573			
17-Oct	F	-	55	N	1575			
17-Oct	F	-	70	N	1576			
17-Oct	F	-	65	N	1578			
17-Oct	F	-	68	N	1580			
17-Oct	F	-	58	N	1581			
17-Oct	F	-	64	N	1583			
17-Oct	F	-	67	Y	1584			
17-Oct	F	-	67	N	1585			
17-Oct	F	-	68	N	1586			
17-Oct	F	-	64	N	1584			
17-Oct	F	-	72	N	1588			
17-Oct	F	-	71	N	1589			
17-Oct	F	-	71	N	1590			
17-Oct	F	-	78	N	1592			1 ESCAPED
17-Oct	F	-	66	N	1594			PREDATOR MARKS
17-Oct	F	-	74	N	1595			
17-Oct	F	-	72	N	1597			
17-Oct	F	-	66	N	1599			
17-Oct	F	-	55	N	1600			
17-Oct	F	-	70	N	1601			
17-Oct	F	-	69	N	1603			1602 WASTED
17-Oct	F	-	67	N	1605			
17-Oct	F	-	66	N	1606			
17-Oct	F	-	72	N	1608			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	F	-	65	Y	1609			
17-Oct	F	-	63	N	1610			
17-Oct	F	-	72	N	1613			1612 WASTED
17-Oct	F	-	70	N	1614			
17-Oct	F	-	67	Y	1615			
17-Oct	F	-	75	N	1620			
17-Oct	F	-	70	N	1621			
17-Oct	F	-	71	N	1622			
17-Oct	F	-	67	Y	1625			
17-Oct	F	-	69	N	1626			
17-Oct	F	-	78	N	1627			
17-Oct	F	-	73	N	1628			
17-Oct	F	-	64	N	1629			
17-Oct	F	-	74	N	1630			
17-Oct	F	-	72	N	1633			
17-Oct	F	-	50	N	1634			
17-Oct	F	-	77	N	1635			
17-Oct	F	-	66	N	1636			
17-Oct	F	-	67	N	1637			
17-Oct	F	-	66	N	1638			
17-Oct	F	-	66	N	1640			
17-Oct	F	-	72	N	1643			
17-Oct	F	1	69	N	1644			
17-Oct	F	-	69	N	1646			1645 WASTED
17-Oct	F	-	75	Y	1647			
17-Oct	F	-	71	N	1651			
17-Oct	F	-	66	N	1656			1654,1655 WASTED
17-Oct	F	-	71	N	1657			
17-Oct	F	-	58	N	1661			
17-Oct	F	-	69	N	1662			
17-Oct	F	-	61	N	1663			
17-Oct	F	-	66	N	1664			PREDATOR MARKS
17-Oct	F	-	75	N	1666			
17-Oct	F	-	64	N	1667			
17-Oct	F	-	70	N	1669			
17-Oct	F	-	70	N	1670			
17-Oct	F	-	65	N	1671			
17-Oct	F	-	63	N	1672			
17-Oct	F	-	67	N	1673			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	F	-	67	N	1674			
17-Oct	F	-	67	N	1675			
17-Oct	F	-	65	N	1677			1676 WASTED
17-Oct	F	-	73	Y	1678			
17-Oct	F	-	69	N	1680			
17-Oct	F	-	66	N	1682			
17-Oct	F	-	69	N	1684	86111	1	
17-Oct	F	-	70	N	1685	86111	2	
17-Oct	F	-	73	N	1687	86111	4	
17-Oct	F	-	69	N	1689	86111	5	1688 WASTED
17-Oct	F	-	69	N	1690	86111	6	
17-Oct	F	-	62	N	1692	86111	8	
17-Oct	F	-	70	N	1695	86111	10	
17-Oct	F	-	66	Y	1697			1696 WASTED
17-Oct	F	-	68	N	1698			
17-Oct	F	-	72	N	1700			1699 WASTED
17-Oct	F	-	67	N	1701			
17-Oct	F	-	75	Y	1702			
17-Oct	F	-	75	N	1703			
17-Oct	F	-	71	N	1707			1704-1706 WASTED
17-Oct	F	-	72	N	1709			1708 WASTED
17-Oct	F	-	72	N	1711			1710 WASTED
17-Oct	F	-	63	-	1712			
17-Oct	F	-	64	N	1714			
17-Oct	F	-	61	N	1715			
17-Oct	F	-	69	N	1719			
17-Oct	F	-	79	N	1720			
17-Oct	F	-	73	N	1721			
17-Oct	F	-	69	N	1723			
17-Oct	F	-	70	N	1724			
17-Oct	F	-	73	N	1725			
17-Oct	F	-	65	Y	1726			
17-Oct	F	-	68	N	1731			1730 WASTED
17-Oct	F	-	63	N	1732			
17-Oct	F	-	74	N	1733			
17-Oct	F	-	68	N	1734			
17-Oct	F	-	72	N	1736			1735 WASTED
17-Oct	F	-	73	N	1738			
17-Oct	F	-	70	N	1744			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	F	-	66	N	1745			
17-Oct	F	-	62	N	1746			
17-Oct	F	-	75	N	1754	86112	1	1751-1753 WASTED
17-Oct	F	-	65	N	1757	86112	4	
17-Oct	F	-	65	N	1761	86112	5	1758-1760 WASTED
17-Oct	F	-	75	N	1764	86112	6	
17-Oct	F	-	74	N	1765	86112	7	
17-Oct	F	-	69	N	1766	86112	8	
17-Oct	F	-	65	N	1767			
17-Oct	F	-	58	N	1768	86112	9	
17-Oct	F	-	75	N	1770	86112	10	1769 WASTED
17-Oct	F	-	63	N	1771			
17-Oct	F	-	56	N	1772			
17-Oct	F	-	65	N	1775			1774 WASTED
17-Oct	F	-	69	N	1777			
17-Oct	F	-	64	N	1779			
17-Oct	F	-	68	N	1780			
17-Oct	F	-	54	N	1781			
17-Oct	F	-	80	N	1784			
17-Oct	F	-	71	N	1786			
17-Oct	F	-	64	N	1789			
17-Oct	F	-	54	N	1791			
17-Oct	F	-	65	N	1794			
17-Oct	F	-	63	N	1795			
17-Oct	F	-	72	Y	1796			
17-Oct	F	-	77	N	1797			
17-Oct	F	-	59	N	1798			
17-Oct	F	-	56	N	1800			36 ADULTS, 41 JACKS RELEASED
17-Oct	J	2	55	-				
17-Oct	J	2	44	-				
17-Oct	J	2	41	-				
17-Oct	J	2	37	-				
17-Oct	J	2	40	-				
17-Oct	J	2	38	-				
17-Oct	J	2	38	-				
17-Oct	J	2	43	-				
17-Oct	J	-	38	-				
17-Oct	J	-	40	-				
17-Oct	J	-	39	-				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	J	-	43	-				
17-Oct	J	-	38	-				
17-Oct	J	-	40	-				
17-Oct	J	-	38	-				
17-Oct	J	-	39	-				
17-Oct	J	-	37	N				
17-Oct	J	-	39	N				
17-Oct	J	-	41	-				
17-Oct	J	-	36	-				
17-Oct	J	-	35	-				
17-Oct	J	-	35	-				
17-Oct	J	-	35	-				
17-Oct	J	-	41	-				
17-Oct	J	-	38	-				
17-Oct	J	-	35	-				
17-Oct	J	-	39	-				
17-Oct	J	-	34	-				
17-Oct	J	-	33	-				
17-Oct	J	-	30	-				
17-Oct	J	-	34	-				
17-Oct	J	-	40	-				
17-Oct	J	-	36	-				
17-Oct	J	-	37	-				
17-Oct	J	-	37	-				
17-Oct	J	-	34	-				
17-Oct	J	4	43	-				
17-Oct	J	-	39	-				
17-Oct	J	-	38	-				
17-Oct	J	-	41	-				
17-Oct	J	-	35	-				
17-Oct	J	-	34	-				
17-Oct	J	-	30	-				
17-Oct	J	-	39	-				
17-Oct	J	-	37	-				
17-Oct	J	-	30	-				
17-Oct	J	-	31	-				
17-Oct	J	-	38	-				
17-Oct	J	-	37	-				
17-Oct	J	-	35	-				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	J	-	42	-				
17-Oct	J	-	31	-				
17-Oct	J	-	32	-				
17-Oct	J	-	29	-				
17-Oct	J	-	35	-				
17-Oct	J	-	29	-				
17-Oct	J	-	28	-				
17-Oct	J	-	39	-				
17-Oct	J	-	36	-				
17-Oct	J	-	35	-				
17-Oct	J	-	32	-				
17-Oct	J	-	38	-				
17-Oct	J	-	37	-				
17-Oct	J	-	34	-				
17-Oct	J	-	32	-				
17-Oct	J	-	34	-				
17-Oct	J	-	43	-				
17-Oct	J	-	39	-				
17-Oct	J	-	33	-				
17-Oct	J	-	26	-				
17-Oct	J	-	32	-				
17-Oct	J	-	38	-				
17-Oct	J	-	30	-				
17-Oct	J	-	30	-				
17-Oct	J	-	31	-				
17-Oct	J	-	32	-				
17-Oct	J	-	36	-				
17-Oct	J	-	40	-				
17-Oct	J	-	33	-				
17-Oct	J	-	33	-				
17-Oct	J	-	38	-				
17-Oct	J	-	37	-				
17-Oct	J	-	32	-				
17-Oct	J	-	39	-				
17-Oct	J	-	32	-				
17-Oct	J	-	37	-				
17-Oct	J	-	30	-				
17-Oct	J	-	32	-				
17-Oct	J	-	32	-				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	J	-	31	-				
17-Oct	J	-	33	-				
17-Oct	J	-	33	-				
17-Oct	J	-	29	-				
17-Oct	J	-	35	-				
17-Oct	J	-	39	-				
17-Oct	J	-	33	-				
17-Oct	J	-	32	-				
17-Oct	J	-	38	-				
17-Oct	J	-	35	-				
17-Oct	J	-	36	-				
17-Oct	J	-	38	-				
17-Oct	J	-	33	-				
17-Oct	J	-	31	-				
17-Oct	J	-	31	-				
17-Oct	J	-	33	-				
17-Oct	J	-	37	-				
17-Oct	J	-	37	-				
17-Oct	J	-	36	-				
17-Oct	J	-	29	-				
17-Oct	J	-	35	-				
17-Oct	J	-	30	-				
17-Oct	J	-	37	-				
17-Oct	J	-	35	-				
17-Oct	J	-	36	-				
17-Oct	J	-	31	-				
17-Oct	J	-	29	-				
17-Oct	J	-	33	-				
17-Oct	J	-	32	-				
17-Oct	J	-	38	-				
17-Oct	J	-	27	-				
17-Oct	J	-	38	-				
17-Oct	J	-	25					
17-Oct	J	-	35	-				
17-Oct	J	-	31	-				
17-Oct	J	-	33	-				
17-Oct	J	-	39	-				
17-Oct	J	-	35	-				
17-Oct	J	-	38	-				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	J	-	35	-				
17-Oct	J	-	34	-				
17-Oct	J	-	31	-				
17-Oct	J	-	29	-				
17-Oct	J	-	31	-				
17-Oct	J	-	32	-				
17-Oct	J	-	26	-				
17-Oct	J	-	23	-				
17-Oct	J	-	23	-				
17-Oct	J	-	27	-				
17-Oct	J	-	25	-				
17-Oct	J	-	31	-				
17-Oct	J	-	28	-				
17-Oct	J	-	29	-				
17-Oct	J	-	39	-				
17-Oct	J	-	31	-				
17-Oct	J	-	37	-				
17-Oct	J	-	33	-				
17-Oct	J	-	33	-				
17-Oct	J	-	31	-				
17-Oct	J	-	34	-				
17-Oct	J	-	33	-				
17-Oct	J	-	30	-				
17-Oct	J	-	37	-				
17-Oct	J	-	40	-				
17-Oct	J	-	35	-				ONE ESCAPED
17-Oct	J	-	29	-				
17-Oct	J	-	29	-				
17-Oct	J	-	33	-				
17-Oct	J	-	38	-				
17-Oct	J	-	34	-				
17-Oct	J	-	39	-				
17-Oct	J	-	37	-				
17-Oct	J	-	37	-				
17-Oct	J	-	32	-				
17-Oct	J	-	37	-				
17-Oct	J	-	36	-				
17-Oct	J	-	37	-				
17-Oct	J	-	31	-				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	J	-	41	-				
17-Oct	J	-	34	-				
17-Oct	J	-	37	-				
17-Oct	J	-	35	-				
17-Oct	J	-	35	-				
17-Oct	J	-	36	-				
17-Oct	J	-	33	-				
17-Oct	J	-	37	-				
17-Oct	J	-	30	-				
17-Oct	J	-	34	-				
17-Oct	J	-	32	-				
17-Oct	J	-	33	-				
17-Oct	J	-	31	-				
17-Oct	J	-	32	-				
17-Oct	J	-	38	-				
17-Oct	J	-	36	-				
17-Oct	J	-	35	-				
17-Oct	J	-	38	-				
17-Oct	J	-	33	-				
17-Oct	J	-	32	-				
17-Oct	J	-	29	-				
17-Oct	J	-	34	-				
17-Oct	J	-	31	-				
17-Oct	J	-	39	-				
17-Oct	J	-	31	-				
17-Oct	J	-	37	-				
17-Oct	J	-	35	-				
17-Oct	J	-	32	-				
17-Oct	J	-	33	-				
17-Oct	J	-	28	-				
17-Oct	J	-	32	-				
17-Oct	J	-	33	-				
17-Oct	J	-	30	-				
17-Oct	J	-	34	-				
17-Oct	J	-	39	-				
17-Oct	J	-	32	-				
17-Oct	J	-	29	-				
17-Oct	J	-	32	-				
17-Oct	J	-	39	-				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	J	-	35	-				
17-Oct	J	-	36	-				
17-Oct	J	-	30	-				
17-Oct	J	-	39	-				
17-Oct	J	-	38	-				
17-Oct	J	-	33	-				
17-Oct	J	-	33	-				
17-Oct	J	-	33	-				
17-Oct	J	-	38	-				
17-Oct	J	-	31	-				
17-Oct	J	-	30	-				
17-Oct	J	-	31	-				
17-Oct	J	-	38	-				
17-Oct	J	-	32	-				
17-Oct	J	-	36	-				
17-Oct	J	-	35	-				
17-Oct	J	-	35	-				
17-Oct	J	-	35	-				
17-Oct	J	-	35	-				
17-Oct	J	-	31	-				
17-Oct	J	-	38	-				
17-Oct	J	-	35	-				
17-Oct	J	-	36	-				
17-Oct	J	-	30	-				
17-Oct	J	-	35	-				
17-Oct	J	-	30	-				
17-Oct	J	-	31	-				
17-Oct	J	-	33	-				
17-Oct	J	-	39	-				
17-Oct	J	-	32	-				
17-Oct	J	-	37	-				
17-Oct	J	-	37	-				
17-Oct	J	-	37	-				
17-Oct	J	-	36	-				
17-Oct	J	-	37	-				
17-Oct	J	-	33	-				
17-Oct	J	-	32	-				
17-Oct	J	-	32	-				
17-Oct	J	-	34	-				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	J	-	29	-				
17-Oct	J	-	39	-				
17-Oct	J	-	33	-				
17-Oct	J	-	35	-				
17-Oct	J	-	29	-				
17-Oct	J	-	31	-				
17-Oct	J	-	37	-				
17-Oct	J	-	36	-				
17-Oct	J	-	34	-				
17-Oct	J	-	32	-				
17-Oct	J	-	34	-				
17-Oct	J	-	29	-				
17-Oct	J	-	33	-				
17-Oct	J	-	32	-				
17-Oct	J	-	38	-				
17-Oct	J	-	28	-				
17-Oct	J	-	32	-				
17-Oct	J	-	34	-				
17-Oct	J	-	32	-				
17-Oct	J	-	36	-				
17-Oct	M	2	71	N	1405			
17-Oct	M	2	71	N	1411			
17-Oct	M	2	72	N	1413			
17-Oct	M	3	76	N	1414			
17-Oct	M	2	67	N	1415			
17-Oct	M	2	75	N	1416			
17-Oct	M	2	55	N	1418			
17-Oct	M	2	68	Y	1420			1421,1422 WASTED
17-Oct	M	2	63	N	1423			
17-Oct	M	2	71	Y	1424			
17-Oct	M	2	78	N	1431			
17-Oct	M	2	75	N	1433			
17-Oct	M	-	75	N	1438			
17-Oct	M	-	69	N	1442			
17-Oct	M	3	73	N	1445			
17-Oct	M	-	76	N	1449			1448 WASTED
17-Oct	M	-	65	N	1453			
17-Oct	M	3	74	N	1454			
17-Oct	M	-	72	Y	1460			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	M	-	64	Y	1466			
17-Oct	M	3	74	N	1468			
17-Oct	M	3	78	N	1469			
17-Oct	M	-	69	N	1471			1470 WASTED
17-Oct	M	-	73	N	1476			1474,1475 WASTED
17-Oct	M	3	68	N	1479			
17-Oct	M	3	77	N	1490			
17-Oct	M	-	67	N	1503			
17-Oct	M	-	67	N	1507			
17-Oct	M	-	68	N	1508			
17-Oct	M	-	81	N	1512			
17-Oct	M	-	71	N	1513			
17-Oct	M	-	70	N	1514			
17-Oct	M	-	69	N	1524			
17-Oct	M	3	77	N	1526			
17-Oct	M	-	76	N	1527			
17-Oct	M	-	75	N	1531			
17-Oct	M	-	70	N	1535			
17-Oct	M	-	73	N	1539			
17-Oct	M	-	71	N	1540			
17-Oct	M	-	63	N	1544			
17-Oct	M	-	72	N	1547			
17-Oct	M	-	68	N	1549			
17-Oct	M	-	66	N	1552			
17-Oct	M	-	67	N	1556			
17-Oct	M	-	59	N	1568			
17-Oct	M	-	66	N	1569			
17-Oct	M	-	73	Y	1570			ONE ESCAPED, ONE JACK ESCAPED
17-Oct	M	-	71	N	1574			
17-Oct	M	-	77	N	1577			
17-Oct	M	-	56	N	1579			
17-Oct	M	-	63	N	1582			
17-Oct	M	-	65	N	1591			
17-Oct	M	-	61	N	1593			
17-Oct	M	-	74	N	1596			
17-Oct	M	-	70	N	1598			
17-Oct	M	-	71	N	1604			
17-Oct	M	-	70	N	1607			
17-Oct	M	-	57	N	1611			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	M	-	64	N	1617			1616 WASTED
17-Oct	M	-	74	N	1618			
17-Oct	M	-	75	N	1619			
17-Oct	M	-	69	N	1623			
17-Oct	M	-	83	N	1624			
17-Oct	M	-	67	N	1631			
17-Oct	M	-	71	N	1632			
17-Oct	M	-	71	N	1639			
17-Oct	M	-	72	N	1641			
17-Oct	M	-	73	N	1642			
17-Oct	M	-	67	N	1648			
17-Oct	M	-	67	N	1649			
17-Oct	M	-	67	N	1650			
17-Oct	M	-	70	N	1653			1652 WASTED
17-Oct	M	-	71	N	1658			
17-Oct	M	-	73	N	1659			
17-Oct	M	-	63	N	1660			
17-Oct	M	-	52	N				
17-Oct	M	-	72	N	1665			
17-Oct	M	-	58	N	1668			
17-Oct	M	-	59	N	1679			
17-Oct	M	-	75	Y	1681			
17-Oct	M	-	66	N	1683			
17-Oct	M	-	66	N	1686	86111	3	
17-Oct	M	-	69	N	1691	86111	7	
17-Oct	M	-	72	N	1694	86111	9	
17-Oct	M	-	67	Y	1713			
17-Oct	M	-	74	N	1717			1716 WASTED
17-Oct	M	-	54	N	1718			
17-Oct	M	-	58	N	1722			
17-Oct	M	-	60	N	1727			
17-Oct	M	-	75	N	1728			
17-Oct	M	-	74	N	1729			
17-Oct	M	-	60	Y	1737			
17-Oct	M	-	71	N	1739			
17-Oct	M	-	72	N	1742			1740,1741 WASTED
17-Oct	M	-	76	N	1743			
17-Oct	M	-	61	N	1749			1747,1748 WASTED
17-Oct	M	-	62	N	1750			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
17-Oct	M	-	77	N	1755	86112	2	
17-Oct	M	-	80	N	1756	86112	3	
17-Oct	M	-	68	N	1763			1762 WASTED
17-Oct	M	3	69	N	1773			
17-Oct	M	-	57	N	1776			
17-Oct	M	-	64	N	1778			
17-Oct	M	-	72	N	1782			
17-Oct	M	-	51	N	1783			
17-Oct	M	-	72	N	1785			
17-Oct	M	-	54	N	1787			
17-Oct	M	-	48	N	1788			
17-Oct	M	-	56	N	1790			
17-Oct	M	-	61	N	1792			
17-Oct	M	-	66	N	1793			
17-Oct	M	-	51	N	1799			
18-Oct	F	2	77	Y	1801			
18-Oct	F	2	76	N	1802			
18-Oct	F	2	71	N	1805			
18-Oct	F	2	74	N	1806			
18-Oct	F	2	75	N	1807			
18-Oct	F	2	69	Y	1808			
18-Oct	F	2	69	N	1811			
18-Oct	F	2	68	N	1812			
18-Oct	F	2	66	N	1815			1814 WASTED
18-Oct	F	2	66	N	1817			
18-Oct	F	-	74	N				
18-Oct	F	2	77	N	1818			
18-Oct	F	2	68	N	1822			1820,1821 WASTED
18-Oct	F	2	62	N	1825			
18-Oct	F	2	61	N	1826			
18-Oct	F	2	69	N	1827			
18-Oct	F	2	68	N	1829			
18-Oct	F	2	63	Y	1830			
18-Oct	F	-	61	N	1831			
18-Oct	F	2	60	N	1842			
18-Oct	F	2	69	N	1844			1843 WASTED
18-Oct	F	2	69	N	1845			
18-Oct	F	2	63	N	1846			
18-Oct	F	2	67	N	1847			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
18-Oct	F	2	68	N	1848			
18-Oct	F	2	71	N	1849			
18-Oct	F	2	71	N	1850			
18-Oct	F	2	61	N	1851			
18-Oct	F	2	64	N	1852			
18-Oct	F	2	71	N	1855			
18-Oct	F	2	67	N	1856			
18-Oct	F	2	65	N	1859			
18-Oct	F	2	61	N	1860			
18-Oct	F	1	61	N	1861			
18-Oct	F	2	61	N	1862			
18-Oct	F	2	72	N	1863			
18-Oct	F	2	73	N	1864			
18-Oct	F	2	66	N	1865			
18-Oct	F	2	64	N	1866			
18-Oct	F	-	64	N	1868	86113	2	
18-Oct	F	-	67	N	1870	86113	4	
18-Oct	F	2	66	N	1871	86113	5	
18-Oct	F	2	62	N	1873	86113	7	
18-Oct	F	2	65	N	1875	86113	9	
18-Oct	F	2	71	N	1876	86113	10	
18-Oct	F	2	64	N	1877	86114	1	
18-Oct	F	2	75	N	1878	86114	2	
18-Oct	F	2	74	N	1879	86114	3	
18-Oct	F	2	70	N	1881	86114	5	
18-Oct	F	2	72	N	1882	86114	6	
18-Oct	F	2	64	N	1883	86114	7	
18-Oct	F	2	74	N	1884			
18-Oct	F	-	66	-	1886	86114	9	
18-Oct	F	2	71	N	1887	86114	10	
18-Oct	F	2	71	N	1888			
18-Oct	F	2	60	N	1889			
18-Oct	F	2	70	-	1890			
18-Oct	F	2	70	N	1891			
18-Oct	F	2	62	N	1892			PREDATOR MARKS
18-Oct	F	2	69	N	1893			
18-Oct	F	2	64	N	1894			
18-Oct	F	2	70	N	1896			
18-Oct	F	2	58	N	1897			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
18-Oct	F	-	67	N	1899			PREDATOR MARKS
18-Oct	F	-	61	N	1900			
18-Oct	F	-	70	Y	1901			
18-Oct	F	-	73	-	1903			1902 WASTED
18-Oct	F	-	75	-	1904			
18-Oct	F	-	68	Y	1905			
18-Oct	F	-	64	N	1906			
18-Oct	F	-	68	Y	1907			
18-Oct	F	-	63	N	1908			
18-Oct	F	-	72	N	1910			
18-Oct	F	-	71	N	1911			
18-Oct	F	-	55	N	1912			
18-Oct	F	-	65	N	1913			
18-Oct	F	-	72	N	1914			
18-Oct	F	-	73	N	1916			
18-Oct	F	-	74	Y	1918			
18-Oct	F	-	69	N	1920			1919 WASTED
18-Oct	F	-	70	N	1921			
18-Oct	F	-	71	N	1922			
18-Oct	F	2	71	N	1923			
18-Oct	F	2	70	N	1925			
18-Oct	F	2	69	N	1929			
18-Oct	F	-	65	-	1932			
18-Oct	F	-	72	N	1933			
18-Oct	F	2	68	-	1934			
18-Oct	F	-	65	N	1935			PREDATOR MARKS
18-Oct	F	-	61	-	1937			
18-Oct	F	-	73	-	1938			
18-Oct	F	-	71	N	1942			1941 WASTED
18-Oct	F	-	66	N	1943			
18-Oct	F	-	67	N	1944			
18-Oct	F	-	63	N	1946			
18-Oct	F	-	76	-	1947			
18-Oct	F	-	66	-	1949			1948 WASTED
18-Oct	F	-	69	-	1950			
18-Oct	F	2	69	N	1951			
18-Oct	F	2	66	N	1952			
18-Oct	F	2	68	N	1953			
18-Oct	F	2	69	N	1955			1954 WASTED

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
18-Oct	F	2	80	N	1956			
18-Oct	F	-	64	N	1957			
18-Oct	F	-	70	N	1958			
18-Oct	F	-	62	-	1959			
18-Oct	F	-	70	N	1960			
18-Oct	F	-	71	N	1962			
18-Oct	F	-	65	N	1964			
18-Oct	F	2	68	N	1967			
18-Oct	F	2	63	Y	1969			
18-Oct	F	2	66	N	1972			1970,1971 WASTED
18-Oct	F	2	64	N	1976			
18-Oct	F	-	54	N	1978			PREDATOR MARKS
18-Oct	F	-	63	-	1980			1979 WASTED
18-Oct	F	-	64	N	1981			
18-Oct	F	2	63	N	1982			
18-Oct	F	2	61	N	1983			
18-Oct	F	1	65	Y	1984			
18-Oct	F	2	67	N	1985			
18-Oct	F	2	69	-	1988			1987 WASTED
18-Oct	F	-	67	-	1989			
18-Oct	F	-	67	N	1990			
18-Oct	F	-	67	N	1991			
18-Oct	F	-	70	N	1992			
18-Oct	F	-	70	N	1994			
18-Oct	F	-	65	N	1995			
18-Oct	F	-	64	N	1996			
18-Oct	F	-	65	Y	1997			
18-Oct	F	-	67	-	2000			
18-Oct	F	-	72	N	4453			
18-Oct	F	-	62	N	4455			
18-Oct	F	-	75	-	4456			
18-Oct	F	-	69	N	4459	86115	3	
18-Oct	F	-	68	N	4460	86115	4	
18-Oct	F	-	65	N	4461	86115	5	
18-Oct	F	-	74	N	4462	86115	6	
18-Oct	F	-	77	N	4463	86115	7	
18-Oct	F	-	62	N	4464	86115	8	
18-Oct	F	-	68	N	4466	86115	10	
18-Oct	F	-	61	N	4468			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
18-Oct	F	-	61	N	4471			
18-Oct	F	-	75	N	4472			
18-Oct	F	-	73	N	4474			
18-Oct	F	-	58	N	4475			
18-Oct	F	-	69	-	4476			
18-Oct	F	-	76	N	4480			
18-Oct	F	-	53	-	4485			
18-Oct	F	-	67	-	4486			
18-Oct	F	2	63	N	4488			
18-Oct	F	2	75	N	4490			4489 WASTED
18-Oct	F	2	68	N	4492			
18-Oct	F	2	74	N	4493			
18-Oct	F	3	73	N	4495			
18-Oct	F	2	79	N	4497			
18-Oct	F	2	68	N	4499			
18-Oct	F	2	61	N	5001			
18-Oct	F	2	65	N	5006			
18-Oct	F	2	65	N	5008			
18-Oct	F	2	69	N	5009			
18-Oct	F	2	65	N	5010			
18-Oct	F	2	73	N	5012			
18-Oct	F	2	58	N	5013			
18-Oct	F	2	56	N	5014			
18-Oct	F	-	67	N	5016			
18-Oct	F	-	69	-	5017			
18-Oct	F	-	66	N	5018			PREDATOR MARKS
18-Oct	F	-	72	Y	5019			
18-Oct	F	-	63	N	5020			
18-Oct	F	-	68	N	5021			
18-Oct	F	-	70	N	5023			
18-Oct	F	-	67	N	5024			
18-Oct	F	2	67	N	5025			
18-Oct	F	2	65	N	5026			
18-Oct	F	2	67	-	5027			
18-Oct	F	2	68	-	5028			
18-Oct	F	2	67	N	5030			
18-Oct	F	2	77	N	5032			
18-Oct	F	2	70	N	5034			
18-Oct	F	2	68	N	5039			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
18-Oct	F	-	67	Y	5044			
18-Oct	F	-	67	N	5045			
18-Oct	F	-	74	N	5049			5048 WASTED
18-Oct	F	-	66	N	5050			
18-Oct	F	2	66	N	5055			
18-Oct	F	2	68	N	5056			
18-Oct	F	2	71	N	5057			
18-Oct	F	-	68	N	5062			
18-Oct	F	-	73	N	5063			
18-Oct	F	-	60	-	5066			5064,5065 WASTED
18-Oct	F	-	60	N	5069			5068 WASTED
18-Oct	F	-	76	N	5070			
18-Oct	F	-	70	N	5071			
18-Oct	F	-	63	N	5074			5073 WASTED
18-Oct	F	-	59	N	5078			5077 WASTED
18-Oct	F	-	66	N	5079			
18-Oct	F	-	68	N	5081			
18-Oct	F	-	70	N	5083			5082 WASTED
18-Oct	F	-	63	N	5084			
18-Oct	F	-	67	N	5085			
18-Oct	F	-	68	N	5086			
18-Oct	F	-	63	-	5087			
18-Oct	F	-	65	-	5088			
18-Oct	F	2	56	N	5089			
18-Oct	F	-	68	N	5090			
18-Oct	F	-	59	N	5091			
18-Oct	F	-	71	N	5094			5093 WASTED
18-Oct	F	-	75	Y	5096			5095 WASTED
18-Oct	F	-	71	N	5097			
18-Oct	F	-	66	N	5098			
18-Oct	F	2	70	N	5104			
18-Oct	F	2	72	N	5105			
18-Oct	F	2	74	N	5106			
18-Oct	F	2	68	N	5108			
18-Oct	F	-	73	N	5110			
18-Oct	F	-	61	N	5112			
18-Oct	F	2	68	Y	5113			
18-Oct	F	1	68	Y				
18-Oct	F	-	50	Y				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
18-Oct	F	1	68	N				
18-Oct	F	-	64	N				
18-Oct	F	-	67	-	5123			5118-5122 WASTED
18-Oct	J	2	38	N				
18-Oct	J	2	37	-				
18-Oct	J	2	31	-				
18-Oct	J	-	36	-				
18-Oct	J	2	36	-				
18-Oct	J	2	41	-				
18-Oct	J	-	38	-				
18-Oct	J	-	35	-				
18-Oct	J	-	30	-				
18-Oct	J	-	41	-				
18-Oct	J	-	42	-				
18-Oct	J	-	30	-				
18-Oct	J	-	32	-				
18-Oct	J	2	43	-				
18-Oct	J	-	28	-				
18-Oct	J	-	39	-				
18-Oct	J	-	39	-				
18-Oct	J	-	40	-				
18-Oct	J	-	39	-				
18-Oct	J	-	42	-				
18-Oct	J	-	42	-				
18-Oct	J	-	37	-				
18-Oct	J	2	33	-				
18-Oct	J	-	37	-				
18-Oct	J	-	33	-				
18-Oct	J	-	32	-				
18-Oct	J	-	36	-				
18-Oct	J	-	30	-				
18-Oct	J	-	32	-				
18-Oct	J	-	36	-				
18-Oct	J	-	31	-				
18-Oct	J	-	31	-				
18-Oct	J	-	29	-				
18-Oct	J	-	32	-				
18-Oct	J	-	33	-				
18-Oct	J	-	33	-				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
18-Oct	J	-	39	-				
18-Oct	J	-	32	-				
18-Oct	J	-	30	-				
18-Oct	J	-	29	-				
18-Oct	J	-	30	-				
18-Oct	J	-	36	-				
18-Oct	J	-	39	-				
18-Oct	J	-	37	-				
18-Oct	J	-	41	-				
18-Oct	J	-	28	-				
18-Oct	J	-	38	-				
18-Oct	J	-	37	-				
18-Oct	J	-	33	-				
18-Oct	J	-	35	-				
18-Oct	J	2	37	-				
18-Oct	J	2	37	-				
18-Oct	J	2	35	-				
18-Oct	J	2	40	-				
18-Oct	J	-	33	-				
18-Oct	J	-	34	-				
18-Oct	J	-	43	-				
18-Oct	J	-	35	-				
18-Oct	J	-	33	-				
18-Oct	J	-	37	-				
18-Oct	J	-	41	-				
18-Oct	J	-	35	-				
18-Oct	J	-	35	-				
18-Oct	J	-	35	-				
18-Oct	J	-	33	-				
18-Oct	J	-	32	-				
18-Oct	J	-	42	-				
18-Oct	J	-	32	-				
18-Oct	J	-	36	-				
18-Oct	J	-	36	-				
18-Oct	J	-	32	-				
18-Oct	J	-	33	-				
18-Oct	J	-	39	-				
18-Oct	J	-	39	-				
18-Oct	J	-	39	-				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
18-Oct	J	-	43	-				
18-Oct	J	-	31	-				
18-Oct	J	-	38	-				
18-Oct	J	-	32	-				
18-Oct	J	-	39	-				
18-Oct	J	-	37	-				
18-Oct	J	-	32	-				
18-Oct	J	-	31	-				
18-Oct	J	-	35	-				
18-Oct	J	-	34	-				
18-Oct	J	-	30	-				
18-Oct	J	-	30	-				
18-Oct	J	-	30	-				
18-Oct	J	-	33	-				
18-Oct	J	-	36	-				
18-Oct	J	-	36	-				
18-Oct	J	-	39	-				
18-Oct	J	-	32	-				
18-Oct	J	-	37	-				
18-Oct	J	-	31	-				
18-Oct	J	-	33	-				
18-Oct	J	-	36	-				
18-Oct	J	-	38	-				
18-Oct	J	-	35	-				
18-Oct	J	-	33	-				
18-Oct	J	-	42	-				
18-Oct	J	-	36	-				
18-Oct	J	-	39	-				
18-Oct	J	-	37	-				
18-Oct	J	-	39	-				
18-Oct	J	-	33	-				
18-Oct	J	-	34	-				
18-Oct	J	-	34	-				
18-Oct	J	-	32	-				
18-Oct	J	-	35	-				
18-Oct	J	-	33	-				
18-Oct	J	-	33	-				
18-Oct	J	-	35	-				
18-Oct	J	-	34	-				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
18-Oct	J	-	35	-				
18-Oct	J	-	32	-				
18-Oct	J	-	32	-				
18-Oct	J	-	33	-				
18-Oct	J	-	33	-				
18-Oct	J	-	30	-				
18-Oct	J	-	35	-				
18-Oct	J	-	36	-				
18-Oct	J	-	43	-				
18-Oct	J	-	38	-				
18-Oct	J	-	39	-				
18-Oct	J	-	42	-				
18-Oct	J	-	43	-				
18-Oct	J	-	38	-				
18-Oct	J	-	38	-				
18-Oct	J	-	39	-				
18-Oct	J	-	36	-				
18-Oct	J	-	37	-				
18-Oct	J	-	32	-				
18-Oct	J	-	32	-				
18-Oct	J	-	35	-				
18-Oct	J	-	30	-				
18-Oct	J	-	31	-				
18-Oct	J	-	34	-				
18-Oct	J	-	35	-				
18-Oct	J	-	40	-				
18-Oct	J	-	30	-				
18-Oct	J	-	38	-				
18-Oct	J	-	37	-				
18-Oct	J	-	34	-				
18-Oct	J	-	33	-				
18-Oct	J	-	35	-				
18-Oct	J	-	37	-				
18-Oct	J	-	35	-				
18-Oct	J	-	37	-				
18-Oct	J	-	33	-				
18-Oct	J	-	31	-				
18-Oct	J	-	30	-				
18-Oct	J	-	38	-				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
18-Oct	J	-	38	-				
18-Oct	J	-	41	-				
18-Oct	J	-	30	-				
18-Oct	J	-	35	-				
18-Oct	J	-	35	-				
18-Oct	J	-	38	-				
18-Oct	J	-	31	-				
18-Oct	J	-	35	-				
18-Oct	J	-	37	-				
18-Oct	J	-	35	-				
18-Oct	J	-	36	-				
18-Oct	J	-	30	-				
18-Oct	J	-	30	-				
18-Oct	J	-	35	-				
18-Oct	J	-	35	-				
18-Oct	J	-	39	-				
18-Oct	J	-	37	-				
18-Oct	J	-	33	-				
18-Oct	J	-	37	-				
18-Oct	J	-	35	-				
18-Oct	J	-	35	-				
18-Oct	J	-	37	-				
18-Oct	J	-	31	-				
18-Oct	J	-	34	-				
18-Oct	J	-	37	-				
18-Oct	J	-	38	-				
18-Oct	J	-	37	-				
18-Oct	J	-	35	-				
18-Oct	J	-	35	-				
18-Oct	J	-	38	-				
18-Oct	J	-	32	-				
18-Oct	J	-	33	-				
18-Oct	J	-	36	-				
18-Oct	J	-	39	N				
18-Oct	M	2	68	N	1804			1803 WASTED
18-Oct	M	2	81	N	1809			
18-Oct	M	3	76	N	1810			
18-Oct	M	-	75	N	1813			
18-Oct	M	2	72	N	1816			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
18-Oct	M	2	58	-	1819			
18-Oct	M	2	64	N	1823			
18-Oct	M	2	74	N	1824			
18-Oct	M	2	80	N	1828			
18-Oct	M	-	73	N	1834			1832,1833 WASTED
18-Oct	M	-	68	N	1835			
18-Oct	M	-	77	N	1836			
18-Oct	M	2	73	N	1837			
18-Oct	M	-	67	-	1838			
18-Oct	M	3	71	N	1841			1839, 1840 WASTED
18-Oct	M	2	72	N	1853			
18-Oct	M	2	75	N	1854			
18-Oct	M	2	49	N	1857			
18-Oct	M	2	71	N	1858			
18-Oct	M	3	74	N	1867	86113	1	
18-Oct	M	2	84	N	1869	86113	3	
18-Oct	M	2	67	N	1872	86113	6	
18-Oct	M	2	67	N	1874	86113	8	
18-Oct	M	2	67	N	1880	86114	4	
18-Oct	M	2	67	N	1885	86114	8	
18-Oct	M	2	66	Y	1895			
18-Oct	M	-	73	N	1898			
18-Oct	M	-	66	N	1909			
18-Oct	M	-	64	N	1915			
18-Oct	M	-	78	N	1917			
18-Oct	M	2	55	N	1924			
18-Oct	M	2	64	N	1926			
18-Oct	M	2	67	N	1927			
18-Oct	M	2	61	N	1928			
18-Oct	M	2	55	N	1930			
18-Oct	M	2	50	N	1931			
18-Oct	M	-	70	N	1936			
18-Oct	M	-	59	N	1939			
18-Oct	M	-	62	N	1940			
18-Oct	M	-	73	N	1945			
18-Oct	M	-	51	N	1961			
18-Oct	M	-	67	N	1963			
18-Oct	M	2	67	N	1966			1965 WASTED
18-Oct	M	2	71	N	1968			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
18-Oct	M	2	58	N	1973			
18-Oct	M	2	74	N	1974			
18-Oct	M	2	72	N	1975			
18-Oct	M	2	59	N	1977			
18-Oct	M	2	65	N	1986			
18-Oct	M	-	67	N	1993			
18-Oct	M	-	67	-	1998			
18-Oct	M	-	77	-	1999			
18-Oct	M	-	59	N	4451			
18-Oct	M	-	66	N	4452			
18-Oct	M	-	83	N	4454			
18-Oct	M	-	80	N	4457	86115	1	
18-Oct	M	-	75	N	4458	86115	2	
18-Oct	M	-	71	N	4465	86115	9	
18-Oct	M	-	75	N	4467			
18-Oct	M	-	70	N	4469			
18-Oct	M	-	66	N	4470			
18-Oct	M	-	73	N	4473			
18-Oct	M	-	61	N	4479			4477,4478 WASTED
18-Oct	M	-	67	N	4481			
18-Oct	M	-	67	N	4482			
18-Oct	M	-	68	N	4483			
18-Oct	M	-	55	-	4484			
18-Oct	M	2	74	N	4487			
18-Oct	M	2	64	Y	4491			
18-Oct	M	2	73	N	4494			
18-Oct	M	2	70	N	4496			
18-Oct	M	2	74	N	4498			
18-Oct	M	2	72	N	4500			
18-Oct	M	2	75	N	5002			
18-Oct	M	2	73	N	5003			
18-Oct	M	2	74	N	5004			
18-Oct	M	2	63	N	5005			
18-Oct	M	2	64	N	5007			
18-Oct	M	2	74	N	5011			
18-Oct	M	2	57	N	5015			
18-Oct	M	-	78	N	5022			
18-Oct	M	3	81	N	5029			
18-Oct	M	2	66	N	5031			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
18-Oct	M	2	70	Y	5033			
18-Oct	M	2	72	N	5035			
18-Oct	M	2	66	N	5038			
18-Oct	M	-	70	N	5040			
18-Oct	M	-	74	N	5042			5041 WASTED
18-Oct	M	-	68	N	5043			
18-Oct	M	-	68	N	5046			
18-Oct	M	-	67	N	5047			
18-Oct	M	-	55	N	5051			
18-Oct	M	-	78	-	5054			5052,5053 WASTED
18-Oct	M	-	67	N	5058			
18-Oct	M	-	74	N	5060			5059 WASTED
18-Oct	M	-	75	N	5061			
18-Oct	M	-	50	N	5067			
18-Oct	M	-	67	N	5072			
18-Oct	M	-	56	N	5075			
18-Oct	M	-	75	N	5076			
18-Oct	M	-	57	N	5080			
18-Oct	M	-	73	N	5092			
18-Oct	M	-	69	N	5099			
18-Oct	M	-	66	N	5100			
18-Oct	M	-	78	N	5101			
18-Oct	M	-	78	N	5102			
18-Oct	M	-	72	N	5103			
18-Oct	M	2	74	N	5107			
18-Oct	M	2	62	N	5109			
18-Oct	M	-	72	N	5111			
18-Oct	M	2	73	-	5114			
18-Oct	M	-	70	N				
18-Oct	M	-	67	N	5117			5115,5116 WASTED
18-Oct	M	-	68	Y				
19-Oct	F	2	63	N	5124			
19-Oct	F	1	54	N	5126			
19-Oct	F	2	70	N	5127			
19-Oct	F	2	69	N	5128			
19-Oct	F	2	71	N	5129			
19-Oct	F	2	71	N	5130			
19-Oct	F	1	73	N	5132			
19-Oct	F	1	69	Y	5133			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
19-Oct	F	2	66	N	5134			
19-Oct	F	2	65	N	5139			5136-5138 WASTED
19-Oct	F	1	70	N	5141			
19-Oct	F	1	71	N	5142			
19-Oct	F	2	74	N	5146			5145 WASTED
19-Oct	F	1	71	N	5150			5148,5149 WASTED
19-Oct	F	1	66	N	5151			
19-Oct	F	2	66	N	5153			5152 WASTED
19-Oct	F	1	78	N	5155			5154 WASTED
19-Oct	F	1	71	Y	5159			5157,5158 WASTED
19-Oct	F	2	62	N	5160			
19-Oct	F	1	76	Y	5161			
19-Oct	F	2	71	N	5164			
19-Oct	F	1	61	N	5168			
19-Oct	F	1	74	N	5169			
19-Oct	F	1	59	N	5170			
19-Oct	F	1	76	N	5172			
19-Oct	F	1	68	N	5179			
19-Oct	F	1	76	N	5181			
19-Oct	F	1	71	-	5183			
19-Oct	F	1	62	N	5184			
19-Oct	F	2	72	N	5186			
19-Oct	F	1	66	N	5188			
19-Oct	F	2	67	N	5189			
19-Oct	F	2	68	N	5190			
19-Oct	F	1	70	N	5192			5191 WASTED
19-Oct	F	1	58	N	5194			
19-Oct	F	1	64	N	5195			
19-Oct	F	1	63	N	5196			
19-Oct	F	2	58	N	5200			5199 WASTED
19-Oct	F	1	63	N	5202			
19-Oct	J	1	36	-				
19-Oct	J	1	35	-				
19-Oct	J	1	37	-				
19-Oct	J	1	30	-				
19-Oct	J	1	32	-				
19-Oct	J	1	31	-				
19-Oct	J	1	31	-				
19-Oct	J	1	36	-				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
19-Oct	J	1	40	-				
19-Oct	J	1	35	-				
19-Oct	J	1	41	-				
19-Oct	J	1	34	-				
19-Oct	J	1	31	-				
19-Oct	J	1	32	-				
19-Oct	J	1	36	-				
19-Oct	J	1	42	-				
19-Oct	J	1	32	-				
19-Oct	J	1	32	-				
19-Oct	J	1	30	-				
19-Oct	J	1	30	-				
19-Oct	J	1	31	-				
19-Oct	J	1	39	-				
19-Oct	J	1	40	-				
19-Oct	J	1	41	-				
19-Oct	M	3	65	Y	5125			
19-Oct	M	2	62	N	5131			
19-Oct	M	1	80	Y	5135			
19-Oct	M	2	51	N	5140			
19-Oct	M	2	74	N	5143			
19-Oct	M	2	76	N	5144			
19-Oct	M	2	72	N	5147			
19-Oct	M	2	74	N	5156			
19-Oct	M	2	69	N	5163			5162 WASTED
19-Oct	M	2	76	N	5165			
19-Oct	M	2	67	Y	5167			5166 WASTED
19-Oct	M	1	70	N	5171			
19-Oct	M	2	69	N	5173			
19-Oct	M	2	74	N	5174			
19-Oct	M	2	64	Y	5175			
19-Oct	M	2	80	N	5176			
19-Oct	M	1	73	N	5177			
19-Oct	M	2	77	N	5178			
19-Oct	M	2	67	N	5180			
19-Oct	M	2	55	-	5182			
19-Oct	M	2	75	N	5185			
19-Oct	M	2	66	N	5187			
19-Oct	M	1	72	N	5193			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
19-Oct	M	2	70	Y	5197			
19-Oct	M	1	74	N	5198			
19-Oct	M	1	55	N	5201			
20-Oct	F	2	74	N	5203	86116	1	
20-Oct	F	2	52	N	5205	86116	2	5204 WASTED
20-Oct	F	2	56	N	5207	86116	3	5206 WASTED
20-Oct	F	2	70	N	5208	86116	4	
20-Oct	F	1	61	N	5209	86116	5	
20-Oct	F	2	70	N	5210	86116	6	
20-Oct	F	1	58	N	5211	86116	7	
20-Oct	F	2	69	N	5212			
20-Oct	F	1	71	N	5213	86116	8	
20-Oct	F	1	69	Y	5214	86116	9	
20-Oct	F	1	70	N	5216			
20-Oct	F	1	66	N	5218			
20-Oct	F	2	66	N	5219			
20-Oct	F	2	59	N	5224			
20-Oct	J	1	40	-				
20-Oct	J	1	33	-				
20-Oct	J	1	48	-				
20-Oct	J	1	29	-				
20-Oct	J	1	36	-				
20-Oct	J	-	30	-				
20-Oct	J	1	29	-				
20-Oct	J	1	31	N				
20-Oct	J	1	31	-				
20-Oct	J	1	38	N				
20-Oct	J	1	36	N				
20-Oct	J	1	36	N				
20-Oct	J	1	36	N				
20-Oct	J	1	36	N				
20-Oct	J	1	31	N				
20-Oct	M	2	67	-	5215	86116	10	
20-Oct	M	2	71	N	5217			
20-Oct	M	1	66	N	5220			
20-Oct	M	2	75	N	5221			
20-Oct	M	1	51	Y	5223			5222 WASTED
20-Oct	M	2	64	N	5225			
21-Oct	F	2	67	N	5226			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
21-Oct	J	2	38	-				
22-Oct	F	2	69	Y	5227			
22-Oct	F	2	66	N	5228			
22-Oct	J	1	33	N				
22-Oct	J	1	36	N				
22-Oct	M	1	30	N				
23-Oct	F	2	63	N	5229	86117	1	2 IN HOLDING BOX RELEASED DOWN
23-Oct	F	2	65	N	5230			
23-Oct	F	2	70	N	5231			
23-Oct	J	2	34	N				STREAM AFTER 24 HOURS
23-Oct	J	2	37	N				
23-Oct	M	2	32	N				
24-Oct	F	2	73	N	5234	86117	4	5233 WASTED
24-Oct	J	2	34	N				2 HOLDING BOX RELEASED UP
24-Oct	J	2	35	N				STREAM AFTER 36 HOURS
24-Oct	M	2	68	N	5231	86117	2	
24-Oct	M	3	74	N	5232	86117	3	
25-Oct	M	3	73	N	5235			2 IN HOLDING BOX RELEASED UP
25-Oct	M	3	81	N	5236			STREAM AFTER 36 HOURS
26-Oct	F	2	65	-	5237	86118	1	
26-Oct	F	2	67	Y	5238	86118	2	
26-Oct	F	2	69	N	5239	86118	3	
26-Oct	F	2	74	N	5244	86118	6	
26-Oct	F	2	63	N	5245	86118	7	
26-Oct	J	2	33	N				
26-Oct	J	2	33	N				
26-Oct	J	-	32	-				
26-Oct	J	-	33	-				3 IN THE HOLDING BOX
26-Oct	J	-	35	-				RELEASED AFTER 24 HOURS
26-Oct	M	2	74	N	5240	86118	4	
26-Oct	M	2	55	Y	5243	86118	5	5241,5242 WASTED
27-Oct	F	2	73	Y	5246	86119	1	
27-Oct	F	2	64	N	5248	86119	3	
27-Oct	F	2	70	N	5249	86119	4	
27-Oct	F	2	71	N	5252	86119	6	5251 WASTED
27-Oct	F	2	71	N	5253	86119	7	
27-Oct	F	2	62	N	5255	86119	8	5254 WASTED

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
27-Oct	F	2	74	N	5259			
27-Oct	J	2	31	N				
27-Oct	M	2	59	N	5247	86119	2	
27-Oct	M	2	69	N	5250	86119	5	
27-Oct	M	2	59	N	5256	86119	9	
27-Oct	M	2	62	N	5257	86119	10	
27-Oct	M	2	68	N	5258			
27-Oct	M	2	64	N	5260			
28-Oct	F	2	68	N	5261			Put 1 Adult in Box
28-Oct	F	2	69	N	5262			1 Jack Released Oct.29
28-Oct	J	2	36	-				
28-Oct	M	2	71	N	5263			
28-Oct	M	2	79	N	5264			
29-Oct	-	3	70	N	5399			Parasites
29-Oct	F	2	70	N	5265	86120	1	Water level up and dirty
29-Oct	F	2	76	N	5267	86120	3	
29-Oct	F	2	69	N	5268	86120	4	
29-Oct	F	2	68	N	5269	86120	5	
29-Oct	F	2	65	Y	5270	86120	6	
29-Oct	F	2	66	N	5274	86120	9	
29-Oct	F	2	69	N	5277			5276 WASTED
29-Oct	F	2	72	N	5278			
29-Oct	F	2	73	N	5279			
29-Oct	F	2	70	N	5282			5281 WASTED
29-Oct	F	2	76	Y	5283			
29-Oct	F	2	69	N	5284			
29-Oct	F	2	74	N	5286			
29-Oct	F	2	59	N	5288			
29-Oct	F	2	74	N	5291			5289,5290 WASTED
29-Oct	F	2	68	Y	5292			
29-Oct	F	2	72	N	5293			
29-Oct	F	2	78	N	5297			
29-Oct	F	2	66	N	5298			
29-Oct	F	2	68	N	5300			
29-Oct	F	2	72	N	5304			
29-Oct	F	2	73	N	5305			
29-Oct	F	2	72	N	5308			
29-Oct	F	2	71	N	5309			
29-Oct	F	2	64	N	5311			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
29-Oct	F	2	68	N	5313			
29-Oct	F	2	73	N	5314			
29-Oct	F	2	68	N	5316			
29-Oct	F	2	61	N	5317			
29-Oct	F	2	69	N	5318			
29-Oct	F	2	66	N	5319			
29-Oct	F	2	68	N	5320			
29-Oct	F	2	65	N	5321			
29-Oct	F	2	74	N	5322			
29-Oct	F	2	78	N	5323			
29-Oct	F	2	72	Y	5324			
29-Oct	F	2	65	N	5325			
29-Oct	F	2	63	N	5326			
29-Oct	F	1	66	N	5327			
29-Oct	F	2	60	N	5328			
29-Oct	F	2	74	Y	5330			
29-Oct	F	2	70	N	5332			
29-Oct	F	2	57	N	5334			
29-Oct	F	2	65	N	5335			
29-Oct	F	2	75	Y	5336			
29-Oct	F	2	61	N	5337			
29-Oct	F	3	68	N	5342			
29-Oct	F	3	67	N	5344			
29-Oct	F	3	64	N	5346			
29-Oct	F	3	59	N	5348			
29-Oct	F	3	72	N	5349			Predator Marks
29-Oct	F	3	67	N	5354			
29-Oct	F	3	67	N	5355			
29-Oct	F	3	71	N	5357			
29-Oct	F	3	62	N	5358			
29-Oct	F	3	66	N	5365			
29-Oct	F	3	72	N	5371			
29-Oct	F	3	66	N	5372			
29-Oct	F	3	61	N	5374			
29-Oct	F	3	68	N	5375			
29-Oct	F	2	68	N	5377			
29-Oct	F	3	68	N	5379			
29-Oct	F	3	70	N	5382			
29-Oct	F	3	72	N	5384			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
29-Oct	F	3	64	N	5385			
29-Oct	F	3	69	N	5386			
29-Oct	F	3	73	N	5387			
29-Oct	F	3	76	N	5389			5388 WASTED
29-Oct	F	3	65	N	5390			
29-Oct	F	3	68	N	5391			
29-Oct	F	3	68	Y	5393			
29-Oct	F	3	60	N	5394			
29-Oct	F	3	68	N	5395			
29-Oct	F	3	65	N	5398			
29-Oct	F	3	66	N	5400			
29-Oct	F	3	56	N	5402			
29-Oct	F	3	73	N	5404			
29-Oct	F	3	69	N	5406			
29-Oct	F	3	68	N	5407			
29-Oct	F	3	67	N	5408			
29-Oct	F	3	66	-	5409			
29-Oct	F	3	70	N	5412			
29-Oct	F	3	36	N	5414			
29-Oct	F	3	65	N	5416			
29-Oct	F	3	67	N	5417			
29-Oct	F	3	78	N	5419			
29-Oct	F	3	70	N	5420			
29-Oct	F	3	78	N	5422			
29-Oct	F	3	67	N	5424			
29-Oct	F	3	71	N	5425			
29-Oct	F	3	66	N	5431	86126	4	
29-Oct	F	3	61	N	5438			
29-Oct	F	3	73	N	5439			
29-Oct	F	3	69	N	5440			
29-Oct	F	3	67	N	5443			
29-Oct	F	3	80	N	5445			
29-Oct	F	3	63	N	5446			
29-Oct	F	3	67	N	5447			5 Days to come back
29-Oct	F	3	59	N	5449			
29-Oct	F	3	66	N	5450			Predator Marks
29-Oct	F	3	60	N	5451			Predator Marks
29-Oct	F	3	67	N	5452			
29-Oct	F	3	72	N	5454			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
29-Oct	F	3	74	N	5459			
29-Oct	F	3	69	N	5460			
29-Oct	F	3	72	N	5461			
29-Oct	F	3	62	N	5462			
29-Oct	F	3	59	N	5465			
29-Oct	F	3	54	N	5469			
29-Oct	J	2	37	N				
29-Oct	J	2	34	N				
29-Oct	J	3	38	N				
29-Oct	J	-	32	N				
29-Oct	J	-	41	N				
29-Oct	J	3	34	N				
29-Oct	J	3	39	-				
29-Oct	J	3	39	N				
29-Oct	J	3	36	N				
29-Oct	J	3	37	N				
29-Oct	J	3	42	N				
29-Oct	J	3	33	N				
29-Oct	M	2	79	N	5266	86120	2	
29-Oct	M	2	83	N	5272	86120	7	5271 WASTED
29-Oct	M	2	68	N	5273	86120	8	
29-Oct	M	2	71	N	5275	86120	10	
29-Oct	M	2	67	N	5280			
29-Oct	M	2	75	N	5285			
29-Oct	M	2	60	Y	5287			
29-Oct	M	2	67	N	5294			
29-Oct	M	2	76	N	5295			
29-Oct	M	2	77	N	5296			
29-Oct	M	2	68	N	5299			
29-Oct	M	2	66	N	5301			
29-Oct	M	2	68	N	5302			
29-Oct	M	2	71	N	5303			
29-Oct	M	2	65	N	5306			
29-Oct	M	2	72	Y	5307			
29-Oct	M	2	66	N	5310			
29-Oct	M	2	74	N	5312			
29-Oct	M	2	70	N	5315			
29-Oct	M	2	59	N	5329			
29-Oct	M	2	73	Y	5331			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
29-Oct	M	2	68	N	5333			
29-Oct	M	2	65	N	5338			
29-Oct	M	2	60	N	5339			
29-Oct	M	3	75	N	5340			
29-Oct	M	3	61	Y	5341			
29-Oct	M	3	77	N	5343			
29-Oct	M	3	82	N	5345			
29-Oct	M	3	67	N	5347			
29-Oct	M	3	55	N	5350			
29-Oct	M	3	77	N	5351			
29-Oct	M	3	67	N	5352			
29-Oct	M	3	56	N	5353			
29-Oct	M	3	75	N	5356			
29-Oct	M	3	81	N	5359			
29-Oct	M	3	68	N	5360			
29-Oct	M	3	65	N	5361			
29-Oct	M	2	60	N	5362			
29-Oct	M	3	69	N	5363			
29-Oct	M	3	75	N	5364			
29-Oct	M	3	56	N	5366			
29-Oct	M	3	73	N	5367			
29-Oct	M	3	77	N	5368			
29-Oct	M	3	68	Y	5369			
29-Oct	M	3	66	N	5370			
29-Oct	M	2	57	N	5372			
29-Oct	M	3	60	N	5373			
29-Oct	M	3	74	Y	5376			
29-Oct	M	3	69	N	5378			
29-Oct	M	3	50	Y	5380			
29-Oct	M	3	79	N	5381			
29-Oct	M	3	72	N	5383			
29-Oct	M	3	59	-	5392			
29-Oct	M	3	46	N	5396			
29-Oct	M	3	80	Y	5397			
29-Oct	M	3	37	N	5401			
29-Oct	M	3	70	N	5403			
29-Oct	M	3	77	N	5405			
29-Oct	M	3	72	N	5410			
29-Oct	M	2	63	N	5411			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
29-Oct	M	3	50	N	5413			
29-Oct	M	3	77	-	5415			
29-Oct	M	3	71	N	5418			
29-Oct	M	3	53	N	5421			
29-Oct	M	3	68	N	5423			
29-Oct	M	3	75	N	5426			
29-Oct	M	3	62	N	5427			
29-Oct	M	3	60	N	5428	86126	1	
29-Oct	M	3	77	N	5429	86126	2	
29-Oct	M	3	53	N	5430	86126	3	
29-Oct	M	3	56	N	5432	86126	5	
29-Oct	M	3	73	N	5433	86126	6	
29-Oct	M	3	74	N	5434	86126	7	
29-Oct	M	3	79	N	5435	86126	8	
29-Oct	M	3	70	N	5436	86126	9	
29-Oct	M	3	64	N	5437	86126	10	
29-Oct	M	3	71	N	5441			
29-Oct	M	3	72	N	5442			
29-Oct	M	3	77	N	5444			
29-Oct	M	3	68	N	5448			
29-Oct	M	3	62	N	5453			
29-Oct	M	3	69	N	5455			
29-Oct	M	3	73	N	5456			
29-Oct	M	3	80	N	5457			
29-Oct	M	3	67	N	5458			
29-Oct	M	3	63	N	5463			
29-Oct	M	3	62	N	5464			
29-Oct	M	3	55	N	5466			
29-Oct	M	2	50	N	5467			
29-Oct	M	3	79	N	5468			
29-Oct	M	3	79	N	5470			
29-Oct	M	3	72	N	5471			
29-Oct	M	3	74	N	5472			
29-Oct	M	3	59	Y	5473			
29-Oct	M	3	74	N	5474			1 ESCAPED
30-Oct	-	3	72	Y	5795			5794 WASTED
30-Oct	F	2	65	N	5475	86121	1	
30-Oct	F	3	72	N	5479	86121	5	
30-Oct	F	3	63	N	5480	86121	6	

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
30-Oct	F	3	75	N	5481	86121	7	
30-Oct	F	2	66	N	5484	86121	10	
30-Oct	F	3	66	N	5485			
30-Oct	F	3	64	N	5486			1 ESCAPED
30-Oct	F	3	55	Y	5487			
30-Oct	F	2	69	N	5488			
30-Oct	F	3	68	N	5490			5489 WASTED
30-Oct	F	-	75	N	5491			
30-Oct	F	-	59	N	5492			
30-Oct	F	-	75	N	5494			
30-Oct	F	3	70	N	5496			
30-Oct	F	3	59	N	5498			
30-Oct	F	2	66	N	5499			
30-Oct	F	2	71	N	5500			
30-Oct	F	2	71	N	5502			
30-Oct	F	2	66	N	5503			
30-Oct	F	3	67	N	5505			
30-Oct	F	2	72	N	5507			5506 WASTED
30-Oct	F	2	67	N	5508			
30-Oct	F	2	66	N	5510			
30-Oct	F	3	66	N	5513			5512 WASTED
30-Oct	F	2	72	N	5514			
30-Oct	F	3	68	N	5515			
30-Oct	F	2	64	N	5517			
30-Oct	F	3	77	N	5518			
30-Oct	F	2	70	N	5525			
30-Oct	F	2	66	N	5528			
30-Oct	F	3	62	N	5529			
30-Oct	F	2	65	N	5533			5532 WASTED
30-Oct	F	2	72	N	5534			
30-Oct	F	3	68	N	5535			
30-Oct	F	3	74	N	5539			1 ESCAPED
30-Oct	F	3	69	N	5540	86122	1	
30-Oct	F	2	77	N	5541	86122	2	
30-Oct	F	3	59	N	5543	86122	3	5542 WASTED
30-Oct	F	3	72	N	5544	86122	4	1 ESCAPED
30-Oct	F	3	68	N	5545	86122	5	
30-Oct	F	2	72	N	5546			
30-Oct	F	2	65	-	5549	86122	7	5548 WASTED

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
30-Oct	F	3	61	N	5551	86122	9	
30-Oct	F	3	68	N	5553	86122	10	
30-Oct	F	3	72	-	5554			
30-Oct	F	3	70	-	5556			
30-Oct	F	3	70	N	5557			
30-Oct	F	2	74	N	5564			
30-Oct	F	3	69	-	5565			
30-Oct	F	2	68	N	5567			
30-Oct	F	2	64	N	5569			
30-Oct	F	3	70	N	5572			
30-Oct	F	3	68	N	5573			
30-Oct	F	2	65	N	5576			PREDATOR MARKS
30-Oct	F	2	73	N	5578			
30-Oct	F	3	71	N	5581			
30-Oct	F	2	73	N	5583			
30-Oct	F	2	58	-	5584			
30-Oct	F	3	68	N	5585			
30-Oct	F	2	68	N	5586			
30-Oct	F	3	67	N	5588			
30-Oct	F	2	67	N	5590			
30-Oct	F	2	72	Y	5592			5591 WASTED
30-Oct	F	2	58	N	5595			
30-Oct	F	2	65	N	5596			
30-Oct	F	2	67	N	5597			
30-Oct	F	1	69	N	5598			PREDATOR MARKS
30-Oct	F	3	67	-	5600			
30-Oct	F	3	72	Y	5601			
30-Oct	F	3	62	N	5603			
30-Oct	F	3	68	N	5604			
30-Oct	F	2	66	N	5606			
30-Oct	F	3	68	N	5607			
30-Oct	F	3	74	N	5608			
30-Oct	F	3	74	N	5609			
30-Oct	F	3	70	N	5610			
30-Oct	F	3	68	N	5611			
30-Oct	F	3	75	N	5612			
30-Oct	F	3	75	N	5614			
30-Oct	F	2	57	N	5615			
30-Oct	F	3	67	N	5617			5616 WASTED

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
30-Oct	F	2	73	N	5619			
30-Oct	F	2	74	-	5620			1 ESCAPED
30-Oct	F	2	74	N	5621			
30-Oct	F	3	75	N	5622			
30-Oct	F	2	66	N	5623			
30-Oct	F	3	68	N	5625			
30-Oct	F	2	71	N	5627			
30-Oct	F	3	59	Y	5629			
30-Oct	F	3	70	N	5630			
30-Oct	F	3	69	N	5632			
30-Oct	F	2	72	N	5633			
30-Oct	F	2	79	N	5634			
30-Oct	F	2	75	N	5635			
30-Oct	F	2	68	N	5637			
30-Oct	F	2	61	N	5638			
30-Oct	F	3	70	N	5641			
30-Oct	F	2	73	N	5642			
30-Oct	F	3	65	N	5643			
30-Oct	F	2	65	N	5645			
30-Oct	F	3	71	N	5646			
30-Oct	F	2	68	-	5647			
30-Oct	F	3	75	N	5648			1 ESCAPED
30-Oct	F	2	67	N	5651			
30-Oct	F	2	69	Y	5657			5654-5656 WASTED
30-Oct	F	2	64	N	5664			5663 WASTED
30-Oct	F	2	65	N	5565			
30-Oct	F	2	76	Y	5666			
30-Oct	F	3	65	N	5667			
30-Oct	F	3	68	N	5668			
30-Oct	F	3	73	N	5669			
30-Oct	F	-	68	N	5678			
30-Oct	F	3	69	N	5681			
30-Oct	F	3	75	N	5682			
30-Oct	F	3	74	N	5684			
30-Oct	F	2	64	N	5686			1 ESCAPED
30-Oct	F	3	74	N	5689			PREDATOR MARKS
30-Oct	F	2	64	-	5690			
30-Oct	F	2	72	N	5692			
30-Oct	F	3	62	N	5693			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
30-Oct	F	3	76	N	5694			1 ESCAPED
30-Oct	F	-	74	-	5698			1 TROUT
30-Oct	F	-	67	N	5699			
30-Oct	F	3	66	N	5700			
30-Oct	F	2	67	N	5702			
30-Oct	F	-	72	N	5705			
30-Oct	F	2	67	N	5707			
30-Oct	F	-	73	N	5709			
30-Oct	F	3	68	N	5710			
30-Oct	F	2	72	N	5711			
30-Oct	F	3	73	N	5713			
30-Oct	F	3	67	N	5714			
30-Oct	F	3	69	N	5715			
30-Oct	F	3	68	N	5719			
30-Oct	F	3	72	N	5720			PREDATOR MARKS
30-Oct	F	2	66	N	5723			
30-Oct	F	2	63	Y	5724			
30-Oct	F	3	59	N	5727			5726 WASTED
30-Oct	F	1	69	N	5728			
30-Oct	F	2	63	N	5729			
30-Oct	F	2	72	N	5730			
30-Oct	F	2	74	N	5731			
30-Oct	F	1	62	N	5734			
30-Oct	F	2	71	N	5735			
30-Oct	F	2	70	N	5736			
30-Oct	F	2	69	N	5739			
30-Oct	F	3	62	N	5742			
30-Oct	F	2	61	N	5744			5743 WASTED
30-Oct	F	3	72	N	5746			
30-Oct	F	3	73	N	5748			2 ESCAPED
30-Oct	F	2	72	N	5750			
30-Oct	F	3	71	-	5753			
30-Oct	F	3	65	N	5755			5754 WASTED
30-Oct	F	3	67	N	5757			
30-Oct	F	3	75	N	5764			5763 WASTED
30-Oct	F	2	70	N	5769			
30-Oct	F	2	73	N	5771			
30-Oct	F	2	75	N	5775			
30-Oct	F	2	63	Y	5776			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
30-Oct	F	3	74	N	5777			
30-Oct	F	2	77	N	5778			
30-Oct	F	3	70	N	5781			
30-Oct	F	3	73	N	5782			1 ESCAPED
30-Oct	F	3	57	N	5784			
30-Oct	F	3	69	N	5786			
30-Oct	F	2	57	N	5787			
30-Oct	F	3	73	N	5790			
30-Oct	F	2	70	N	5791			
30-Oct	F	3	74	N	5798			
30-Oct	F	2	74	N	5799			
30-Oct	F	3	71	Y	5802			5800,5801 WASTED
30-Oct	F	2	73	N	5804			
30-Oct	F	2	68	N	5805			
30-Oct	F	3	76	N	5806			
30-Oct	F	2	72	N	5808			
30-Oct	F	3	64	N	5810			5809 WASTED
30-Oct	F	2	68	N	5811			
30-Oct	F	2	72	Y	5812			
30-Oct	F	3	72	Y	5813			
30-Oct	F	1	68	Y	5815			
30-Oct	F	3	70	N	5816			
30-Oct	F	2	70	N	5817			
30-Oct	F	3	71	N	5818			
30-Oct	F	2	61	N	5820			
30-Oct	F	2	68	N	5825	86123	3	5823,5824 WASTED
30-Oct	F	3	71	N	5826	86123	4	
30-Oct	F	3	61	N	5831	86123	7	5830 WASTED
30-Oct	F	2	66	N	5833	86123	9	
30-Oct	F	3	68	N	5834	86123	10	
30-Oct	F	3	68	N	5835			
30-Oct	F	3	68	N	5838			
30-Oct	F	3	69	N	5839			
30-Oct	F	2	73	N	5840			
30-Oct	F	2	72	N	5842			
30-Oct	F	3	72	N	5845			
30-Oct	F	2	69	N	5846			
30-Oct	F	3	74	N	5848			
30-Oct	F	2	71	N	5849			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
30-Oct	F	3	61	N	5851			
30-Oct	F	3	74	N	5852			
30-Oct	F	3	71	N	5855			
30-Oct	F	2	65	N	5857			
30-Oct	F	3	67	-	5860			1 ESCAPED
30-Oct	F	2	70	N	5862			5861 WASTED
30-Oct	F	2	65	Y	5863			
30-Oct	F	3	74	N	5866			
30-Oct	F	3	72	N	5867			PREDATOR MARKS
30-Oct	F	3	71	-	5868			
30-Oct	F	3	68	N	5869			
30-Oct	F	2	63	N	5871			
30-Oct	F	3	67	N	5873			5872 WASTED
30-Oct	F	2	73	N	5874			
30-Oct	F	3	67	N	5875			
30-Oct	F	2	59	Y	5876			
30-Oct	F	2	74	N	5878			
30-Oct	F	3	68	N	5880			
30-Oct	F	3	70	N	5882			
30-Oct	F	3	70	N	5885			
30-Oct	F	-	67	-	5889			5887,5888 WASTED
30-Oct	F	-	66	-	5890			
30-Oct	J	3	37	N				
30-Oct	J	2	36	N				
30-Oct	J	2	35	N				
30-Oct	J	2	36	N				
30-Oct	J	3	37	N				
30-Oct	J	2	29	N				
30-Oct	J	2	37	N				
30-Oct	J	3	35	N				
30-Oct	J	-	38	N				1 ESCAPED
30-Oct	J	3	43	N				
30-Oct	J	-	38	N				
30-Oct	J	-	37	N				
30-Oct	J	3	38	N				
30-Oct	J	3	38	N				
30-Oct	J	3	42	N				
30-Oct	J	-	36	N				
30-Oct	J	-	41	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
30-Oct	J	2	38	N				
30-Oct	J	3	39	N				
30-Oct	J	3	37	N				
30-Oct	J	2	41	N				
30-Oct	J	3	38	N				
30-Oct	J	3	36	N				
30-Oct	J	3	40	N				
30-Oct	J	3	38	N				
30-Oct	J	3	39	N				
30-Oct	J	-	37	N				
30-Oct	J	3	36	N	5894			
30-Oct	M	2	68	N	5476	86121	2	
30-Oct	M	3	67	N	5477	86121	3	
30-Oct	M	3	77	N	5478	86121	4	
30-Oct	M	3	68	N	5482	86121	8	
30-Oct	M	3	74	Y	5483	86121	9	
30-Oct	M	-	68	N	5493			
30-Oct	M	-	71	N	5495			
30-Oct	M	3	71	Y	5497			
30-Oct	M	3	71	N	5501			
30-Oct	M	3	71	N	5504			
30-Oct	M	3	73	N	5509			
30-Oct	M	3	79	N	5511			
30-Oct	M	3	80	N	5516			
30-Oct	M	3	85	N	5519			
30-Oct	M	3	75	N	5520			1 ESCAPED
30-Oct	M	3	75	N	5521			
30-Oct	M	3	68	N	5523			5522 WASTED
30-Oct	M	3	70	N	5524			
30-Oct	M	3	73	N	5526			
30-Oct	M	3	75	N	5527			
30-Oct	M	3	60	N	5531			5530 WASTED
30-Oct	M	2	64	N	5536			
30-Oct	M	3	72	N	5537			
30-Oct	M	3	62	N	5538			
30-Oct	M	3	54	N	5547	86122	6	
30-Oct	M	3	60	N	5550	86122	8	
30-Oct	M	3	70	Y	5555			
30-Oct	M	3	74	N	5558			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
30-Oct	M	3	52	N	5559			
30-Oct	M	3	65	-	5560			
30-Oct	M	3	69	-	5561			
30-Oct	M	3	76	N	5562			
30-Oct	M	3	83	N	5563			
30-Oct	M	3	73	N	5566			
30-Oct	M	3	53	N	5568			
30-Oct	M	3	80	N	5570			
30-Oct	M	3	72	N	5571			
30-Oct	M	3	74	N	5574			
30-Oct	M	3	80	N	5575			
30-Oct	M	3	71	N	5577			
30-Oct	M	3	68	Y	5580			5579 WASTED
30-Oct	M	3	66	N	5582			
30-Oct	M	3	66	N	5587			
30-Oct	M	3	80	N	5589			
30-Oct	M	3	67	N	5593			1 ESCAPED
30-Oct	M	3	78	N	5594			PREDATOR MARKS
30-Oct	M	3	70	N	5599			
30-Oct	M	3	77	N	5602			
30-Oct	M	3	78	Y	5605			1 ESCAPED
30-Oct	M	3	74	N	5613			
30-Oct	M	3	77	N	5618			
30-Oct	M	2	50	N	5624			
30-Oct	M	3	79	N	5626			
30-Oct	M	3	76	N	5628			
30-Oct	M	3	71	N	5631			
30-Oct	M	3	68	N	5636			
30-Oct	M	3	67	N	5639			
30-Oct	M	3	76	N	5640			
30-Oct	M	3	66	N	5644			
30-Oct	M	3	65	N	5649			
30-Oct	M	3	77	N	5650			
30-Oct	M	2	83	N	5653			5652 WASTED
30-Oct	M	3	77	N	5658			
30-Oct	M	3	68	-	5659			PREDATOR MARKS
30-Oct	M	3	70	Y	5660			1 ESCAPED
30-Oct	M	3	67	N	5661			
30-Oct	M	3	65	N	5662			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
30-Oct	M	3	74	N	5670			
30-Oct	M	3	79	N	5671			
30-Oct	M	3	64	N	5672			
30-Oct	M	3	78	N	5673			
30-Oct	M	3	72	N	5674			
30-Oct	M	3	75	N	5675			
30-Oct	M	3	77	N	5676			1 ESCAPED
30-Oct	M	3	80	N	5677			
30-Oct	M	3	76	N	5679			
30-Oct	M	3	77	N	5680			
30-Oct	M	3	71	N	5683			
30-Oct	M	3	73	N	5685			
30-Oct	M	3	70	N	5687			
30-Oct	M	3	56	N	5688			
30-Oct	M	3	70	Y	5691			
30-Oct	M	3	64	N	5695			
30-Oct	M	3	64	-	5696			
30-Oct	M	3	72	N	5697			
30-Oct	M	3	82	N	5701			
30-Oct	M	3	74	N	5703			
30-Oct	M	3	59	N	5704			
30-Oct	M	3	70	N	5706			
30-Oct	M	3	61	N	5708			PREDATOR MARKS
30-Oct	M	3	58	N	5712			1 ESCAPED
30-Oct	M	3	65	N	5716			
30-Oct	M	3	78	N	5717			
30-Oct	M	3	52	N	5718			
30-Oct	M	3	74	N	5722			5721 WASTED
30-Oct	M	3	75	N	5725			
30-Oct	M	2	77	N	5733			5732 WASTED
30-Oct	M	-	60	-	5737			
30-Oct	M	3	74	N	5741			5740 WASTED
30-Oct	M	3	64	N	5745			
30-Oct	M	3	72	N	5747			
30-Oct	M	3	77	N	5749			
30-Oct	M	3	53	N	5751			
30-Oct	M	3	67	N	5752			
30-Oct	M	3	80	N	5756			
30-Oct	M	3	76	N	5758			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
30-Oct	M	3	59	N	5760			5759 WASTED
30-Oct	M	3	70	N	5761			
30-Oct	M	-	60	N	5762			
30-Oct	M	3	68	N	5766			5765 WASTED
30-Oct	M	3	75	N	5767			
30-Oct	M	3	70	N	5768			
30-Oct	M	3	76	N	5770			
30-Oct	M	3	73	N	5773			5772 WASTED
30-Oct	M	3	76	N	5774			
30-Oct	M	3	64	N	5779			
30-Oct	M	3	75	Y	5780			
30-Oct	M	3	72	N	5783			
30-Oct	M	3	76	N	5785			
30-Oct	M	3	69	-	5789			5788 WASTED
30-Oct	M	2	63	N	5792			
30-Oct	M	3	74	-	5793			
30-Oct	M	3	73	N	5797			5796 WASTED
30-Oct	M	3	78	N	5803			
30-Oct	M	-	77	N	5807			
30-Oct	M	1	69	N	5814			
30-Oct	M	3	76	N	5819			
30-Oct	M	3	59	N	5821	86123	1	
30-Oct	M	3	63	N	5822	86123	2	
30-Oct	M	3	75	N	5828	86123	5	5827 WASTED
30-Oct	M	3	68	N	5829	86123	6	PREDATOR MARKS
30-Oct	M	3	77	N	5832	86123	8	
30-Oct	M	3	78	N	5836			
30-Oct	M	3	80	N	5837			
30-Oct	M	3	70	N	5841			
30-Oct	M	3	63	N	5843			
30-Oct	M	2	63	N	5844			1 ESCAPED
30-Oct	M	3	73	N	5847			
30-Oct	M	3	77	N	5850			
30-Oct	M	3	74	N	5853			
30-Oct	M	2	66	N	5854			
30-Oct	M	3	66	N	5856			
30-Oct	M	3	70	Y	5858			
30-Oct	M	3	77	Y	5859			
30-Oct	M	2	68	N	5864			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
30-Oct	M	3	72	N	5865			
30-Oct	M	3	65	N	5870			
30-Oct	M	3	58	N	5877			
30-Oct	M	3	62	N	5879			
30-Oct	M	3	70	N	5881			
30-Oct	M	3	70	N	5883			
30-Oct	M	3	73	N	5884			
30-Oct	M	2	47	N	5886			
30-Oct	M	3	73	N	5891			
30-Oct	M	3	70	N	5892			
30-Oct	M	3	71	N	5893			
30-Oct	M	3	68	N	5895			
30-Oct	M	3	75	N	5897			5896 WASTED
31-Oct	F	3	71	N	5900			
31-Oct	F	3	69	N	5902			
31-Oct	F	3	70	N	5904			
31-Oct	F	2	64	Y	5908			
31-Oct	F	3	72	N	5912			
31-Oct	F	3	73	N	5915			
31-Oct	F	2	64	N	5924			
31-Oct	F	2	65	N	5925			
31-Oct	F	3	75	N	5928			
31-Oct	F	3	72	N	5929			
31-Oct	F	3	64	N	5932			
31-Oct	F	2	64	N	5935			
31-Oct	F	2	75	N	5936			
31-Oct	F	3	69	N	5938	86124	2	
31-Oct	F	3	57	N	5940	86124	4	
31-Oct	F	3	72	N	5942	86124	6	
31-Oct	F	2	68	N	5943	86124	7	
31-Oct	F	3	78	N	5945	86124	9	
31-Oct	F	2	70	N	5948	86125	2	
31-Oct	F	3	65	N	5950	86125	4	
31-Oct	F	3	69	N	5951	86125	5	
31-Oct	F	2	71	N	5955	86125	9	
31-Oct	F	3	53	N	5956	86125	10	
31-Oct	F	3	72	-	5958			5957 WASTED
31-Oct	F	3	62	-	5962			5960,5961 WASTED
31-Oct	F	3	70	-	5963			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
31-Oct	F	3	72	N	5966			
31-Oct	F	3	71	N	5966			
31-Oct	F	3	69	N	5967			
31-Oct	F	3	70	N	5968			
31-Oct	F	3	69	N	5969			
31-Oct	F	3	67	N	5972			5971 WASTED
31-Oct	F	3	70	N	5973			
31-Oct	F	3	62	N	5975			
31-Oct	F	3	74	N	5976			
31-Oct	F	3	75	N	5978			
31-Oct	F	3	67	N	5980			
31-Oct	F	3	74	N	5981			
31-Oct	F	3	76	N	5983			
31-Oct	F	3	73	N	5988			
31-Oct	F	3	71	N	5989			
31-Oct	F	3	78	N	5990			
31-Oct	F	3	75	N	5991			
31-Oct	F	3	68	N	5992			
31-Oct	F	3	70	N	5994			
31-Oct	F	3	68	N	5995			
31-Oct	F	3	68	Y	5996			
31-Oct	F	3	71	N	5998			
31-Oct	F	3	69	N	6000			5999 WASTED
31-Oct	F	3	68	N	6001			
31-Oct	F	3	68	N	6003			
31-Oct	F	3	66	N	6004			
31-Oct	F	3	70	N	6005			
31-Oct	F	3	67	N	6007			
31-Oct	F	3	68	N	6009			
31-Oct	F	3	74	N	6011			
31-Oct	F	3	65	N	6015			
31-Oct	F	3	70	N	6017			
31-Oct	F	2	65	N	6020			
31-Oct	F	3	60	N	6031			
31-Oct	F	2	65	N	6033			
31-Oct	F	3	66	N	6038			6036,6037 WASTED
31-Oct	F	3	59	N	6040			
31-Oct	F	3	76	N	6043			
31-Oct	F	3	72	N	6044			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
31-Oct	F	3	70	N	6045			
31-Oct	F	3	68	N	6051			
31-Oct	F	3	70	N	6052			
31-Oct	F	2	70	N	6055			
31-Oct	F	3	72	N	6057			
31-Oct	F	3	71	N	6058			
31-Oct	F	3	69	N	6062			
31-Oct	F	3	75	N	6063			
31-Oct	F	3	70	N	6064			
31-Oct	F	3	75	N	6066			
31-Oct	F	3	73	N	6068			
31-Oct	F	3	63	N	6070			1 ESCAPED
31-Oct	F	3	70	N	6075			
31-Oct	F	3	70	N	6077			6076 WASTED
31-Oct	F	3	68	N	6078			
31-Oct	F	2	76	N	6079			
31-Oct	F	3	78	N	6081			
31-Oct	F	2	57	N	6083			
31-Oct	F	2	73	N	6084			
31-Oct	F	2	65	N	6085			
31-Oct	F	2	69	N	6086			
31-Oct	F	3	70	N	6089			
31-Oct	F	3	74	N	6090			
31-Oct	F	3	76	N	6093			6092 WASTED
31-Oct	F	2	66	N	6094			
31-Oct	F	3	72	N	6096			
31-Oct	F	3	75	N	6097			
31-Oct	F	3	73	N	6098			
31-Oct	F	3	59	N	6100			
31-Oct	F	3	63	N	6101			
31-Oct	F	3	71	N	6110			
31-Oct	F	2	60	N	6111			
31-Oct	F	2	61	N	6112			
31-Oct	F	3	65	N	6113			
31-Oct	F	3	74	N	6118			
31-Oct	F	3	65	N	6119			
31-Oct	F	3	66	N	6120			
31-Oct	F	3	70	Y	6121			
31-Oct	F	3	70	N	6124			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
31-Oct	F	3	68	N	6126			
31-Oct	F	3	60	N	6128			
31-Oct	F	3	70	N	6129			
31-Oct	F	3	68	N	6132			
31-Oct	F	3	62	N	6134			
31-Oct	F	3	68	N	6135			
31-Oct	F	3	74	N	6137			
31-Oct	F	3	73	N	6141			
31-Oct	F	3	63	N	6143			
31-Oct	F	3	57	N	6144			
31-Oct	F	3	70	N	6145			
31-Oct	F	3	74	N	6146			
31-Oct	F	3	71	N	6151	86127	1	
31-Oct	F	3	70	N	6152	86127	2	
31-Oct	F	3	65	N	6153	86127	3	
31-Oct	F	3	75	N	6156	86127	6	
31-Oct	F	3	70	N	6159	86127	9	
31-Oct	F	3	59	N	6160	86127	10	
31-Oct	F	3	54	N	6163	86128	3	
31-Oct	F	2	74	N	6164			
31-Oct	F	3	70	N	6165	86128	4	
31-Oct	F	3	60	N	6166	86128	5	
31-Oct	F	3	71	N	6167	86128	6	
31-Oct	F	3	71	N	6169	86128	8	
31-Oct	F	3	75	N	6170	86128	9	
31-Oct	F	3	66	N	6171	86128	10	
31-Oct	F	3	73	N	6173			
31-Oct	F	3	66	N	6176			
31-Oct	F	3	68	N	6178			6177 WASTED
31-Oct	F	3	56	N	6180			
31-Oct	F	2	68	N	6181			
31-Oct	F	3	64	N	6183			
31-Oct	F	3	71	N	6187			6186 WASTED
31-Oct	F	3	69	N	6192			6188-6191 WASTED
31-Oct	F	3	77	N	6193			1 ESCAPED
31-Oct	F	2	71	N	6194			
31-Oct	F	3	75	N	6197			
31-Oct	F	3	73	-				
31-Oct	F	3	74	N	6201			6198-6200 WASTED

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
31-Oct	F	3	69	N	6203			
31-Oct	F	3	62	N	6204			
31-Oct	F	1	76	N	6209			
31-Oct	F	2	73	N	6212			
31-Oct	F	2	62	N	6214			
31-Oct	F	2	71	N	6215			
31-Oct	F	2	72	N	6218			
31-Oct	F	2	67	N	6219			
31-Oct	F	2	73	N	6221			
31-Oct	F	3	68	N	6222			
31-Oct	F	3	71	N	6223			
31-Oct	F	2	68	N	6224			
31-Oct	F	3	71	N	6227			
31-Oct	F	3	54	N	6228			
31-Oct	F	3	69	N	6229			
31-Oct	F	2	63	N	6232			1 ESCAPED
31-Oct	F	2	66	Y	6234			
31-Oct	F	3	64	N	6235			
31-Oct	F	2	71	N	6237			
31-Oct	F	2	65	Y	6238			
31-Oct	F	2	68	N	6242			6241 WASTED
31-Oct	F	3	70	N	6243			
31-Oct	F	3	65	N	6244			
31-Oct	F	3	62	N	6246			
31-Oct	F	2	72	N	6247			
31-Oct	F	3	68	Y	6248			
31-Oct	F	3	66	N	6249			
31-Oct	F	2	68	N	6250			
31-Oct	F	3	63	N	6251			
31-Oct	F	2	60	N	6255			
31-Oct	F	3	65	N	6256			
31-Oct	F	3	67	Y	6257			
31-Oct	F	3	70	N	6258			
31-Oct	F	3	67	N	6259			
31-Oct	F	2	62	N	6260			
31-Oct	F	2	78	N	6262			
31-Oct	M	3	69	N	5898			
31-Oct	M	3	48	N	5899			
31-Oct	M	3	64	N	5903			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
31-Oct	M	3	75	Y	5905			
31-Oct	M	3	63	-	5906			
31-Oct	M	3	73	N	5907			
31-Oct	M	3	76	N	5909			
31-Oct	M	3	74	N	5911			5910 WASTED
31-Oct	M	3	74	N	5913			
31-Oct	M	2	75	N	5914			
31-Oct	M	3	69	N	5916			
31-Oct	M	3	77	Y	5918			5917 WASTED
31-Oct	M	3	70	N	5919			
31-Oct	M	3	77	Y	5920			
31-Oct	M	3	73	N	5921			
31-Oct	M	3	72	N	5922			
31-Oct	M	3	71	N	5923			
31-Oct	M	3	71	N	5926			
31-Oct	M	3	72	N	5927			
31-Oct	M	3	69	N	5930			
31-Oct	M	3	72	N	5931			
31-Oct	M	3	73	N	5933			
31-Oct	M	3	75	N	5934			
31-Oct	M	3	73	N	5937	86124	1	
31-Oct	M	3	62	N	5939	86124	3	
31-Oct	M	3	67	N	5941	86124	5	
31-Oct	M	3	68	N	5944	86124	8	
31-Oct	M	3	69	N	5946	86124	10	
31-Oct	M	3	76	N	5947	86125	1	
31-Oct	M	3	73	N	5949	86125	3	
31-Oct	M	3	80	N	5952	86125	6	
31-Oct	M	3	82	N	5953	86125	7	
31-Oct	M	3	76	N	5954	86125	8	
31-Oct	M	3	74	-	5964			1 ESCAPED
31-Oct	M	3	74	N	5970			
31-Oct	M	3	75	N	5974			
31-Oct	M	3	70	N	5977			
31-Oct	M	3	71	N	5979			
31-Oct	M	3	71	N	5982			
31-Oct	M	3	79	N	5984			
31-Oct	M	3	81	N	5985			
31-Oct	M	3	67	N	5986			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
31-Oct	M	3	64	N	5987			
31-Oct	M	3	78	N	5993			
31-Oct	M	3	70	N	5997			
31-Oct	M	3	50	N	6002			
31-Oct	M	3	58	N	6006			
31-Oct	M	3	71	N	6008			
31-Oct	M	2	74	N	6010			
31-Oct	M	3	82	N	6012			
31-Oct	M	3	81	N	6013			
31-Oct	M	3	65	N	6014			
31-Oct	M	3	60	N	6016			
31-Oct	M	3	80	N	6019			6018 WASTED
31-Oct	M	1	64	N	6021			
31-Oct	M	3	77	N	6022			
31-Oct	M	3	74	N	6023			
31-Oct	M	3	79	N	6024			
31-Oct	M	3	76	N	6025			
31-Oct	M	3	67	N	6026			
31-Oct	M	3	81	N	6028			6027 WASTED
31-Oct	M	3	70	N	6029			
31-Oct	M	3	71	Y	6030			
31-Oct	M	3	72	N	6032			
31-Oct	M	3	78	N	6034			
31-Oct	M	3	70	N	6035			
31-Oct	M	3	72	N	6039			
31-Oct	M	3	65	N	6041			
31-Oct	M	3	82	N	6042			
31-Oct	M	2	72	N	6046			
31-Oct	M	3	78	N	6047			
31-Oct	M	3	73	N	6048			
31-Oct	M	3	70	N	6049			
31-Oct	M	3	72	N	6050			
31-Oct	M	3	72	N	6053			
31-Oct	M	3	69	N	6054			
31-Oct	M	3	76	N	6056			
31-Oct	M	3	77	N	6059			
31-Oct	M	3	75	N	6060			
31-Oct	M	3	66	N	6061			
31-Oct	M	3	74	N	6065			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
31-Oct	M	3	75	N	6067			
31-Oct	M	2	68	N	6069			
31-Oct	M	3	64	N	6071			
31-Oct	M	3	70	N	6072			
31-Oct	M	3	75	N	6073			
31-Oct	M	3	74	N	6074			
31-Oct	M	3	72	N	6080			
31-Oct	M	3	71	N	6082			
31-Oct	M	3	78	N	6088			6087 WASTED
31-Oct	M	3	70	N	6091			
31-Oct	M	3	76	N	6095			
31-Oct	M	3	77	N	6099			
31-Oct	M	3	76	N	6102			
31-Oct	M	3	62	N	6103			
31-Oct	M	3	75	N	6104			
31-Oct	M	3	72	N	6105			
31-Oct	M	3	79	N	6106			
31-Oct	M	3	66	N	6107			
31-Oct	M	3	79	N	6108			
31-Oct	M	3	71	N	6109			
31-Oct	M	3	77	N	6115			6114 WASTED
31-Oct	M	3	77	N	6116			
31-Oct	M	3	63	N	6117			
31-Oct	M	3	77	N	6122			
31-Oct	M	3	63	Y	6123			
31-Oct	M	3	61	N	6125			
31-Oct	M	3	74	N	6127			
31-Oct	M	3	78	N	6130			
31-Oct	M	3	75	N	6131			
31-Oct	M	3	66	N	6133			
31-Oct	M	3	71	Y	6136			
31-Oct	M	3	75	N	6138			
31-Oct	M	3	72	N	6140			6139 WASTED
31-Oct	M	3	70	N	6142			
31-Oct	M	3	80	N	6147			
31-Oct	M	3	68	N	6148			
31-Oct	M	3	77	N	6149			
31-Oct	M	3	72	N	6150			
31-Oct	M	3	72	N	6154	86127	4	

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
31-Oct	M	3	72	N	6155	86127	5	
31-Oct	M	3	81	N	6157	86127	7	
31-Oct	M	3	76	N	6158	86127	8	
31-Oct	M	3	60	N	6161	86128	1	
31-Oct	M	3	68	N	6162	86128	2	
31-Oct	M	3	80	N	6168	86128	7	
31-Oct	M	3	72	N	6172			
31-Oct	M	3	78	N	6174			
31-Oct	M	3	73	N	6175			61 Released 28 F, 33 M
31-Oct	M	3	81	N	6179			
31-Oct	M	3	87	-	6182			
31-Oct	M	3	80	N	6184			
31-Oct	M	3	67	Y	6185			
31-Oct	M	3	77	N				
31-Oct	M	3	74	N	6195			
31-Oct	M	3	72	N	6196			
31-Oct	M	2	78	N	6202			
31-Oct	M	3	78	N	6205			
31-Oct	M	3	74	N	6206			
31-Oct	M	3	78	N	6207			
31-Oct	M	3	77	N	6208			
31-Oct	M	3	82	Y	6210			
31-Oct	M	3	75	N	6211			
31-Oct	M	3	79	N	6213			
31-Oct	M	3	85	N	6216			
31-Oct	M	3	65	N	6217			
31-Oct	M	3	75	N	6220			
31-Oct	M	3	77	N	6225			
31-Oct	M	2	70	N	6226			
31-Oct	M	3	71	N	6230			
31-Oct	M	3	75	N	6231			
31-Oct	M	3	76	N	6233			
31-Oct	M	3	76	N	6236			
31-Oct	M	3	76	N	6239			
31-Oct	M	3	74	N	6240			
31-Oct	M	3	62	N	6245			
31-Oct	M	3	74	Y	6252			
31-Oct	M	3	80	N	6253			
31-Oct	M	3	74	N	6254			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
31-Oct	M	3	68	N	6261			
31-Oct	M	3	73	N	6263			
1-Nov	F	3	72	N	6274			
1-Nov	F	3	75	N	6276			6275 WASTED
1-Nov	F	3	66	N	6277			
1-Nov	F	3	75	N	6278			
1-Nov	F	1	66	N	6280			
1-Nov	F	2	67	Y	6281			
1-Nov	F	3	69	N	6283			
1-Nov	F	3	73	N	6285			
1-Nov	F	3	70	N	6286			
1-Nov	F	3	72	N	6287			
1-Nov	F	3	74	N	6291			
1-Nov	F	3	72	N	6293			
1-Nov	F	3	70	N	6294			
1-Nov	F	3	59	N	6295			
1-Nov	F	3	77	N	6300			6296-6299 WASTED
1-Nov	F	1	54	N	6303			
1-Nov	F	3	66	N	6304			
1-Nov	F	3	67	N	6305			
1-Nov	F	1	66	N	6314			6309-6313 WASTED
1-Nov	F	3	62	N	6321	86129	2	
1-Nov	F	3	68	N	6325	86129	6	
1-Nov	F	3	70	N	6328	86129	9	
1-Nov	F	3	70	N	6331			
1-Nov	F	3	69	N	6332			
1-Nov	F	3	68	N	6333			
1-Nov	F	2	76	N	6336			
1-Nov	F	3	68	N	6341			
1-Nov	F	1	73	N	6342			
1-Nov	F	3	73	N	6343			
1-Nov	F	3	72	N	6344			
1-Nov	F	3	67	N	6345			
1-Nov	F	3	73	N	6346			
1-Nov	F	3	74	Y	6347			
1-Nov	F	3	68	N	6348			
1-Nov	F	3	66	N	6349			
1-Nov	F	2	45	N	6350			
1-Nov	F	2	71	N	6351			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
1-Nov	F	2	66	N	6352			
1-Nov	F	3	78	N	6354			
1-Nov	F	3	69	N	6355			
1-Nov	F	2	75	N	6356			
1-Nov	F	2	74	N	6358			
1-Nov	F	2	67	N	6360			
1-Nov	F	1	73	N	6361			1 ESCAPED
1-Nov	F	2	70	N	6362			
1-Nov	F	3	66	N	6363			
1-Nov	F	2	69	N	6364			
1-Nov	F	2	70	Y	6365			
1-Nov	F	2	71	N	6366			
1-Nov	F	3	67	N	6367			
1-Nov	F	1	60	N	6369			
1-Nov	F	2	70	N	6371			
1-Nov	F	2	67	N	6372			
1-Nov	F	3	75	N	6373	86130	1	
1-Nov	F	3	74	N	6374	86130	2	
1-Nov	F	2	74	N	6376	86130	4	
1-Nov	F	2	72	N	6378	86130	5	6377 WASTED
1-Nov	F	2	69	N	6379	86130	6	
1-Nov	F	3	67	N	6384			
1-Nov	F	3	75	N	6385			
1-Nov	F	3	66	N	6387			6386 WASTED
1-Nov	F	3	60	N	6388			
1-Nov	F	3	65	N	6389			
1-Nov	F	3	68	N	6390			
1-Nov	F	3	60	N	6391			
1-Nov	F	3	68	Y	6399			
1-Nov	F	3	73	N	6400			
1-Nov	F	3	63	N	6404			
1-Nov	F	3	60	N	6405			
1-Nov	F	3	62	N	6406			
1-Nov	F	2	68	N	6407			
1-Nov	F	3	74	N	6409			
1-Nov	F	3	71	N	6411			
1-Nov	F	1	73	Y	6414			
1-Nov	F	1	81	N	6418			
1-Nov	F	2	70	N	6419			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
1-Nov	F	2	68	N	6420			
1-Nov	F	2	66	N	6423			
1-Nov	F	3	68	N	6424			
1-Nov	F	3	67	Y	6425			
1-Nov	F	3	45	N	6426			
1-Nov	F	3	69	N	6428			
1-Nov	F	3	68	N	6430			
1-Nov	F	3	67	N	6431			
1-Nov	F	2	77	N	6432			
1-Nov	F	2	74	N	6434			
1-Nov	F	3	67	N	6435			
1-Nov	F	3	64	N	6436			
1-Nov	F	3	69	N	6438			
1-Nov	F	3	80	N	6439			
1-Nov	F	3	74	N	6442			
1-Nov	F	2	68	N	6443			
1-Nov	F	2	65	N	6444			
1-Nov	F	2	74	N	6446			
1-Nov	F	3	73	N	6448			
1-Nov	M	3	77	Y	6265			6264 WASTED
1-Nov	M	3	79	N	6268			6266,6267 WASTED
1-Nov	M	3	83	N	6271			6269,6270 WASTED
1-Nov	M	3	71	N	6272			
1-Nov	M	3	71	N	6273			
1-Nov	M	3	77	N	6279			
1-Nov	M	3	70	N	6282			
1-Nov	M	3	70	N	6284			
1-Nov	M	3	71	N	6288			
1-Nov	M	3	71	N	6289			
1-Nov	M	3	76	Y	6290			
1-Nov	M	3	67	N	6292			
1-Nov	M	3	75	N	6302			6301 WASTED
1-Nov	M	3	76	N	6306			
1-Nov	M	3	70	N	6307			
1-Nov	M	3	78	N	6308			
1-Nov	M	2	78	N	6315			
1-Nov	M	3	80	N	6317			6316 WASTED
1-Nov	M	3	73	N	6319			6318 WASTED
1-Nov	M	3	69	N	6320	86129	1	

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
1-Nov	M	3	80	N	6322	86129	3	
1-Nov	M	3	77	N	6323	86129	4	
1-Nov	M	3	75	N	6324	86129	5	
1-Nov	M	3	75	N	6326	86129	7	
1-Nov	M	3	75	N	6327	86129	8	
1-Nov	M	3	77	N	6329	86129	10	
1-Nov	M	3	73	N	6330			
1-Nov	M	3	70	N	6334			
1-Nov	M	3	69	N	6335			
1-Nov	M	3	65	Y	6337			
1-Nov	M	3	68	N	6338			
1-Nov	M	3	74	N	6339			
1-Nov	M	3	74	N	6340			
1-Nov	M	3	78	N	6353			
1-Nov	M	3	75	N	6357			
1-Nov	M	3	79	N	6359			
1-Nov	M	3	78	N	6368			
1-Nov	M	2	60	N	6370			
1-Nov	M	2	65	N	6375	86130	3	
1-Nov	M	3	68	N	6380	86130	7	
1-Nov	M	3	75	N	6381	86130	8	
1-Nov	M	2	60	N	6382	86130	9	
1-Nov	M	3	80	Y	6383	86130	10	
1-Nov	M	3	78	N	6397			6392-6396 WASTED
1-Nov	M	3	74	N	6398			
1-Nov	M	3	74	Y	6401			
1-Nov	M	3	72	N	6402			
1-Nov	M	3	68	N	6403			
1-Nov	M	3	77	N	6408			
1-Nov	M	3	75	N	6410			
1-Nov	M	3	72	N	6412			
1-Nov	M	3	64	Y	6413			
1-Nov	M	2	55	-	6415			
1-Nov	M	3	70	Y	6416			
1-Nov	M	3	68	N	6417			
1-Nov	M	2	76	N	6421			
1-Nov	M	2	77	N	6422			
1-Nov	M	2	46	Y	6427			
1-Nov	M	3	54	N	6429			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
1-Nov	M	3	74	Y	6433			
1-Nov	M	3	75	N	6437			
1-Nov	M	3	60	N	6440			
1-Nov	M	3	72	N	6441			
1-Nov	M	3	78	N	6445			
1-Nov	M	2	62	N	6447			
1-Nov	M	3	61	N	6449			
2-Nov	F	3	66	N	6502	86131	1	
2-Nov	F	3	74	N	6503	86131	2	
2-Nov	F	2	56	N	6505	86131	4	
2-Nov	F	2	46	N	6506	86131	5	
2-Nov	F	3	64	Y	6508	86131	7	
2-Nov	F	3	69	Y	6509	86131	8	
2-Nov	F	2	76	N	6510	86131	9	
2-Nov	F	3	78	Y	6512			
2-Nov	F	2	69	N	6519			
2-Nov	F	2	73	N	6520			
2-Nov	F	2	73	N	6521			
2-Nov	F	2	72	N	6522			
2-Nov	F	2	73	N	6525			
2-Nov	F	2	79	N	6526			
2-Nov	F	2	67	N	6529			
2-Nov	F	2	74	N	6532			
2-Nov	F	2	60	N	6535			
2-Nov	F	2	78	y	6536			
2-Nov	F	2	71	N	6537			
2-Nov	F	2	76	N	6542			
2-Nov	F	2	69	N	6544			
2-Nov	F	2	68	-	6548			6547 WASTED
2-Nov	M	3	71	N	6450			
2-Nov	M	3	69	N	6504	86131	3	
2-Nov	M	3	67	N	6507	86131	6	
2-Nov	M	3	72	N	6511	86131	10	
2-Nov	M	3	70	N	6513			
2-Nov	M	2	74	N	6514			
2-Nov	M	3	62	N	6515			
2-Nov	M	3	68	N	6516			
2-Nov	M	2	71	N	6517			
2-Nov	M	2	76	N	6518			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
2-Nov	M	2	76	N	6523			
2-Nov	M	3	78	N	6524			
2-Nov	M	2	68	N	6527			
2-Nov	M	3	69	N	6528			
2-Nov	M	2	76	N	6530			
2-Nov	M	3	86	N	6531			
2-Nov	M	2	79	N	6533			
2-Nov	M	3	67	N	6534			
2-Nov	M	2	72	N	6538			
2-Nov	M	3	65	N	6539			
2-Nov	M	3	78	N	6540			
2-Nov	M	2	71	Y	6541			
2-Nov	M	2	79	N	6543			
2-Nov	M	2	51	N	6545			
2-Nov	M	2	78	-	6546			
2-Nov	M	2	78	-	6549			
3-Nov	F	3	75	N	6550			
3-Nov	F	2	73	N	6552			6551 WASTED
3-Nov	F	3	76	N	6554			
3-Nov	F	3	66	N	6555			
3-Nov	F	3	66	N	6557			
3-Nov	F	3	66	N	6559			
3-Nov	F	3	56	N	6560			
3-Nov	F	2	62	N	6561			
3-Nov	F	2	71	N	6562			
3-Nov	F	2	70	N	6563			
3-Nov	F	2	70	N	6564			
3-Nov	F	2	71	N	6565			
3-Nov	F	2	67	N	6566			
3-Nov	F	3	73	N	6569			
3-Nov	F	3	66	Y	6571			
3-Nov	F	3	65	N	6572			
3-Nov	F	3	76	N	6573			
3-Nov	J	2	35	N				
3-Nov	J	2	33	N				
3-Nov	J	2	29	N				
3-Nov	J	3	-	N				
3-Nov	J	3	-	N				
3-Nov	J	3	-	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
3-Nov	J	3	-	N				
3-Nov	J	2	-	N				
3-Nov	J	3	-	N				
3-Nov	J	2	30	N				
3-Nov	J	2	28	N				
3-Nov	J	2	33	N				
3-Nov	J	2	31	N				
3-Nov	J	2	29	N				
3-Nov	J	2	30	N				
3-Nov	J	2	28	N				
3-Nov	J	2	30	N				
3-Nov	J	2	30	N				
3-Nov	J	2	32	N				
3-Nov	J	2	31	N				
3-Nov	J	2	29	N				
3-Nov	J	2	30	N				
3-Nov	J	2	30	N				
3-Nov	J	2	29	N				
3-Nov	J	3	26	N				
3-Nov	J	3	25	N				
3-Nov	J	3	28	N				
3-Nov	J	2	29	N				
3-Nov	J	3	27	N				
3-Nov	J	3	29	N				
3-Nov	M	3	73	N	6553			
3-Nov	M	3	71	N	6556			
3-Nov	M	3	71	N	6558			
3-Nov	M	3	73	N	6567			
3-Nov	M	3	71	N	6568			
3-Nov	M	3	73	N	6570			
4-Nov	J	3	30	N				
5-Nov	F	2	76	N	6574			
5-Nov	F	2	67	N	6575			
5-Nov	F	2	77	N	6576			
5-Nov	F	2	68	N	6578			
5-Nov	F	2	75	N	6579			
5-Nov	F	2	68	N	6580			
5-Nov	F	2	75	N	6581			
5-Nov	F	2	64	N	6582			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
5-Nov	F	2	74	N	6586			6585 WASTED
5-Nov	F	2	69	N	6587			
5-Nov	F	2	63	N	6590			
5-Nov	F	2	71	N	6594			6593 WASTED
5-Nov	F	2	67	N	6595			
5-Nov	F	2	69	Y	6596			
5-Nov	F	2	74	N	6598			
5-Nov	F	2	65	N	6599			
5-Nov	F	2	74	N	6600			
5-Nov	F	2	68	N	6603			
5-Nov	F	2	75	N	6608			
5-Nov	F	2	73	N	6609			
5-Nov	F	2	66	N	6612			
5-Nov	F	2	69	N	6613			
5-Nov	F	3	77	N	6614			
5-Nov	F	3	74	N	6618			
5-Nov	F	2	75	Y	6620			
5-Nov	F	2	68	N	6622			
5-Nov	F	1	64	N	6628			
5-Nov	F	2	69	N	6630			
5-Nov	F	1	62	N	6632			
5-Nov	F	2	61	N	6637			6636 WASTED
5-Nov	F	2	75	N	6641			
5-Nov	F	2	66	N	6647			
5-Nov	F	2	71	N	6648			
5-Nov	F	2	70	N	6649			
5-Nov	F	2	66	N	6651			
5-Nov	F	2	75	N	6657			
5-Nov	F	2	68	N	6661			
5-Nov	F	1	58	N	6662			
5-Nov	F	2	73	N	6667			
5-Nov	F	2	75	Y	6669			
5-Nov	F	2	72	N	6671			
5-Nov	F	2	70	N	6673			
5-Nov	F	2	67	Y	6675			
5-Nov	F	2	69	Y	6677			
5-Nov	F	2	70	N	6678			
5-Nov	F	2	70	N	6681			
5-Nov	F	2	73	Y	6683			6682 WASTED

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
5-Nov	F	2	77	N	6687			6684-6686 WASTED
5-Nov	F	2	66	N	6688			
5-Nov	F	2	67	N	6689			
5-Nov	F	1	70	N	6691			
5-Nov	F	2	49	N	6692			
5-Nov	F	1	72	N	6693			
5-Nov	F	2	75	N	6694			
5-Nov	F	2	64	N	6697			
5-Nov	F	2	69	N	6698			
5-Nov	F	2	67	N	6700			
5-Nov	J	2	37	N				
5-Nov	J	2	37	N				
5-Nov	J	3	35	Y				
5-Nov	J	-	38	Y				
5-Nov	J	2	38	N				
5-Nov	J	2	39	N				
5-Nov	J	3	35	N				
5-Nov	M	2	76	-	6577			
5-Nov	M	2	65	N	6583			
5-Nov	M	2	77	N	6584			
5-Nov	M	2	67	N	6588			
5-Nov	M	2	73	N	6589			
5-Nov	M	3	77	Y	6591			
5-Nov	M	3	68	N	6592			PREDATOR MARKS
5-Nov	M	2	66	N	6597			
5-Nov	M	2	54	N	6601			PREDATOR MARKS
5-Nov	M	2	75	N	6602			
5-Nov	M	3	76	N	6604			
5-Nov	M	2	68	N	6605			
5-Nov	M	3	64	N	6606			
5-Nov	M	3	76	N	6607			
5-Nov	M	3	74	N	6610			
5-Nov	M	3	80	N	6611			
5-Nov	M	3	69	Y	6616			6615 WASTED
5-Nov	M	3	81	N	6617			
5-Nov	M	3	75	N	6619			
5-Nov	M	3	71	N	6621			
5-Nov	M	2	70	N	6624			6623 WASTED
5-Nov	M	3	81	N	6625			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
5-Nov	M	3	74	N	6626			
5-Nov	M	3	77	N	6627			
5-Nov	M	3	77	N	6629			
5-Nov	M	3	73	N	6631			
5-Nov	M	3	69	Y	6633			
5-Nov	M	3	66	N	6634			
5-Nov	M	3	75	N	6635			
5-Nov	M	3	78	N	6638			
5-Nov	M	3	73	N	6639			
5-Nov	M	2	68	Y	6640			
5-Nov	M	3	66	N	6644			6642,6643 WASTED
5-Nov	M	3	56	N	6645			
5-Nov	M	3	77	N	6646			
5-Nov	M	3	68	N	6650			
5-Nov	M	3	77	N	6652			
5-Nov	M	2	59	N	6653			
5-Nov	M	2	73	N	6654			
5-Nov	M	3	71	N	6655			
5-Nov	M	3	69	N	6656			
5-Nov	M	2	76	N	6658			
5-Nov	M	3	76	N	6659			
5-Nov	M	2	75	Y	6660			
5-Nov	M	3	73	Y	6663			
5-Nov	M	3	79	N	6664			
5-Nov	M	3	73	N	6665			
5-Nov	M	3	70	N	6666			
5-Nov	M	2	71	Y	6668			
5-Nov	M	3	73	N	6670			
5-Nov	M	2	74	N	6672			
5-Nov	M	3	80	Y	6674			
5-Nov	M	1	73	N	6676			
5-Nov	M	3	76	N	6679			
5-Nov	M	3	75	N	6680			
5-Nov	M	3	78	N	6690			
5-Nov	M	3	77	N	6695			
5-Nov	M	3	61	Y	6696			
5-Nov	M	3	78	N	6699			
6-Nov	F	2	68	N	6701			
6-Nov	F	2	63	N	6704			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
6-Nov	F	2	77	N	6706			
6-Nov	F	2	71	Y	6707			
6-Nov	F	2	65	N	6710			
6-Nov	F	3	69	N	6711			
6-Nov	F	3	75	N	6712			
6-Nov	F	3	68	N	6715			
6-Nov	F	3	71	N	6716			
6-Nov	F	3	72	N	6717			
6-Nov	F	2	68	N	6719			
6-Nov	F	2	76	N	6720			
6-Nov	F	2	72	N	6721			
6-Nov	F	2	59	N	6722			
6-Nov	F	2	70	N	6723			
6-Nov	F	3	66	N	6726			
6-Nov	F	1	66	N	6727			
6-Nov	F	2	72	N	6728			
6-Nov	F	2	76	N	6729			
6-Nov	F	1	61	N	6730			
6-Nov	F	2	72	N	6731			
6-Nov	F	2	69	N	6733			
6-Nov	F	3	69	N	6734			
6-Nov	F	3	74	Y	6738			
6-Nov	F	3	55	N	6740			
6-Nov	F	1	57	Y	6741			
6-Nov	F	2	74	N	6743			
6-Nov	F	1	63	N	6745			
6-Nov	F	2	66	N	6746			
6-Nov	F	2	65	N	6747			
6-Nov	F	1	73	N	6748			
6-Nov	F	2	70	N	6749			
6-Nov	F	2	59	N	6750			
6-Nov	F	2	66	N	6751			
6-Nov	F	2	65	N	6752			
6-Nov	F	2	69	N	6755			
6-Nov	F	2	66	N	6756			
6-Nov	F	2	70	N	6757			
6-Nov	F	2	67	Y	6758			
6-Nov	F	2	68	Y	6759			
6-Nov	F	2	64	N	6761			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
6-Nov	F	2	70	N	6763			
6-Nov	F	2	60	N	6765			
6-Nov	F	2	66	N	6766			
6-Nov	F	2	68	N	6767			
6-Nov	F	2	67	N	6768			
6-Nov	F	2	67	Y	6769	86132	1	
6-Nov	F	3	75	N	6770	86132	2	
6-Nov	F	2	71	Y	6772	86132	3	6771 WASTED
6-Nov	F	2	71	Y	6775	86132	4	6773,6774 WASTED
6-Nov	F	2	72	N	6776	86132	5	
6-Nov	F	2	61	N	6777	86132	6	
6-Nov	F	2	74	N	6779			6778 WASTED
6-Nov	F	2	70	N	6781	86132	8	
6-Nov	F	2	72	N	6785			
6-Nov	F	2	70	N	6786			
6-Nov	F	2	73	Y	6787			
6-Nov	F	2	69	N	6788			
6-Nov	F	2	70	N	6789			
6-Nov	F	2	69	N	6790			
6-Nov	F	2	70	N	6791			
6-Nov	F	2	76	N	6792			
6-Nov	F	2	75	Y	6793			
6-Nov	F	2	67	N	6795			
6-Nov	F	2	60	N	6796			
6-Nov	F	2	71	N	6797			
6-Nov	F	2	74	N	6801	86133	3	
6-Nov	F	1	67	N	6802	86133	4	
6-Nov	F	1	64	N	6803	86133	5	
6-Nov	F	2	73	N	6804	86133	6	
6-Nov	F	2	68	N	6805	86133	7	
6-Nov	F	2	65	N	6806	86133	8	
6-Nov	F	2	70	N	6808	86133	10	
6-Nov	F	2	69	N	6809			
6-Nov	F	2	72	N	6810			
6-Nov	F	3	64	N	6811			
6-Nov	F	2	73	N	6812			
6-Nov	F	2	62	N	6813			PREDATOR MARKS
6-Nov	F	3	65	N	6815			
6-Nov	F	2	72	N	6816			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
6-Nov	F	2	70	N	6817			
6-Nov	F	2	72	N	6818			
6-Nov	F	2	61	Y	6819			
6-Nov	F	2	62	N	6820			
6-Nov	F	2	70	N	6821			
6-Nov	F	2	67	-	6822			
6-Nov	F	2	73	Y	6823			
6-Nov	F	2	64	N	6824			
6-Nov	F	2	62	Y	6825			
6-Nov	F	2	69	N	6826			
6-Nov	F	2	68	N	6827			
6-Nov	F	2	66	N	6828			
6-Nov	F	2	68	N	6829			
6-Nov	F	2	53	N	6832			
6-Nov	F	2	57	N	6833			
6-Nov	F	1	68	N	6834			
6-Nov	F	2	70	N	6836			
6-Nov	F	2	63	Y	6838	68134	2	
6-Nov	F	2	73	N	6839	68134	3	
6-Nov	F	2	70	Y	6840	86134	4	
6-Nov	F	2	72	Y	6841	86134	5	
6-Nov	F	2	63	N	6842	86134	6	
6-Nov	F	1	69	N	6844	86134	8	
6-Nov	F	2	74	N	6845	86134	9	
6-Nov	F	2	74	N	6846	86134	10	
6-Nov	F	2	61	N	6847			
6-Nov	F	3	71	N	6848			
6-Nov	F	1	58	N	6849			
6-Nov	F	2	73	N	6850			
6-Nov	F	2	68	N	6851			
6-Nov	F	2	72	N	6852			
6-Nov	F	2	79	N	6853			
6-Nov	F	2	62	Y	6855			
6-Nov	F	2	59	-	6857			
6-Nov	F	2	67	N	6858			
6-Nov	F	2	62	N	6860			6859 WASTED
6-Nov	F	2	72	N	6861			
6-Nov	F	2	68	N	6862			
6-Nov	F	2	67	Y	6863			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
6-Nov	F	1	63	N	6864			
6-Nov	F	2	69	N	6865			
6-Nov	F	2	67	N	6866			
6-Nov	F	2	64	-	6867			
6-Nov	F	2	67	N	6868			
6-Nov	F	2	70	Y	6869			
6-Nov	F	2	56	N	6870			
6-Nov	F	2	71	N	6873			6872 WASTED
6-Nov	F	2	64	N	6874			
6-Nov	F	2	61	N	6875			
6-Nov	F	2	60	N	6876			
6-Nov	J	2	38	-				
6-Nov	J	2	40	-				
6-Nov	J	2	31	N				
6-Nov	J	3	37	N				
6-Nov	J	3	36	N				
6-Nov	J	2	36	N				
6-Nov	J	2	35	N				
6-Nov	J	2	40	N				
6-Nov	J	2	33	N				
6-Nov	J	2	36	N				
6-Nov	J	2	33	Y				
6-Nov	J	2	36	N				
6-Nov	J	2	34	N				
6-Nov	J	2	42	N				
6-Nov	J	2	37	N				
6-Nov	J	2	40	N				
6-Nov	J	2	39	N				
6-Nov	J	2	39	N				
6-Nov	J	2	35	N				
6-Nov	J	2	29	N				
6-Nov	J	2	33	N				
6-Nov	J	2	34	Y				
6-Nov	J	2	35	-				
6-Nov	J	2	37	N				
6-Nov	J	2	37	Y				
6-Nov	J	2	38	N				
6-Nov	J	2	35	N				
6-Nov	J	2	32	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
6-Nov	J	2	38	N				
6-Nov	J	2	40	N				
6-Nov	J	2	37	N				
6-Nov	J	2	35	N				
6-Nov	J	2	37	N				
6-Nov	J	2	39	N				
6-Nov	J	2	35	N				
6-Nov	J	2	32	N				
6-Nov	J	2	34	N				
6-Nov	J	2	30	Y				
6-Nov	J	2	34	Y				
6-Nov	J	2	36	N				
6-Nov	J	2	36	N				
6-Nov	J	2	35	Y				
6-Nov	J	2	39	N				
6-Nov	J	2	35	N				
6-Nov	J	2	33	N				
6-Nov	J	2	31	N				
6-Nov	J	2	37	N				
6-Nov	J	2	33	N				25 ESCAPED
6-Nov	M	3	74	N	6702			
6-Nov	M	3	71	Y	6703			
6-Nov	M	2	81	N	6705			
6-Nov	M	2	52	Y	6708			
6-Nov	M	3	70	N	6709			
6-Nov	M	3	73	N	6713			
6-Nov	M	2	73	N	6714			
6-Nov	M	3	69	N	6718			
6-Nov	M	2	69	N	6724			
6-Nov	M	3	76	N	6725			
6-Nov	M	2	71	N	6732			
6-Nov	M	2	59	N	6736			6735 WASTED
6-Nov	M	2	77	N	6737			
6-Nov	M	3	60	N	6739			
6-Nov	M	2	59	N	6742			
6-Nov	M	2	75	N	6744			
6-Nov	M	2	69	N	6753			
6-Nov	M	2	66	N	6754			
6-Nov	M	2	76	N	6760			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
6-Nov	M	2	63	N	6762			
6-Nov	M	2	74	N	6764			
6-Nov	M	3	76	N	6780	86132	7	
6-Nov	M	3	80	Y	6782	86132	9	
6-Nov	M	2	74	N	6783	86132	10	
6-Nov	M	2	74	N	6784			
6-Nov	M	2	67	Y	6794			
6-Nov	M	2	76	N	6799	86133	1	6798 WASTED
6-Nov	M	2	71	-	6800	86133	2	
6-Nov	M	3	84	Y	6807	86133	9	
6-Nov	M	2	63	N	6814			
6-Nov	M	2	59	N	6830			
6-Nov	M	3	77	N	6831			
6-Nov	M	2	64	N	6835			
6-Nov	M	1	73	N	6837	68134	1	
6-Nov	M	3	73	N	6843	86134	7	
6-Nov	M	2	71	N	6854			
6-Nov	M	2	59	N	6856			
6-Nov	M	3	72	N	6871			
7-Nov	F	2	70	N	6878			6877 WASTED
7-Nov	F	2	66	N	6879			
7-Nov	F	2	75	N	6880			
7-Nov	F	3	71	-	6883			
7-Nov	F	2	73	Y	6884			
7-Nov	F	2	60	N	6885			
7-Nov	F	2	67	N	6886			
7-Nov	F	2	67	N	6887			
7-Nov	F	2	75	N	6888			
7-Nov	F	1	56	N	6889			
7-Nov	F	2	69	N	6890			
7-Nov	F	2	72	N	6894			
7-Nov	F	3	73	N	6895			
7-Nov	F	3	74	N	6896			
7-Nov	F	2	70	N	6897			
7-Nov	F	2	66	N	6899			
7-Nov	F	2	69	Y	6900			
7-Nov	F	2	64	N	6451			
7-Nov	F	2	76	N	6452			
7-Nov	J	2	37	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
7-Nov	M	2	69	-	6882			6881 WASTED
7-Nov	M	3	76	N	6891			
7-Nov	M	3	83	N	6892			
7-Nov	M	3	68	N	6893			
7-Nov	M	2	73	N	6899			
7-Nov	M	2	78	N	6453			
8-Nov	F	2	58	Y	6455			
8-Nov	F	2	74	N	6456			
8-Nov	F	2	63	N	6457			
8-Nov	J	2	46	N	6458			
8-Nov	M	2	74	N	6454			
9-Nov	F	3	76	N	6461			6459,6460 WASTED
9-Nov	M	3	75	N	6462			
9-Nov	M	2	62	-	6463			
12-Nov	F	2	79	N	6465			
12-Nov	F	2	67	N	6467			
12-Nov	F	2	78	Y	6468			
12-Nov	F	2	68	N	6469			
12-Nov	F	2	71	N	6470			
12-Nov	F	-	68	N				
12-Nov	J	2	35	N				
12-Nov	J	2	35	N				
12-Nov	J	2	35	N				
12-Nov	M	-	77	N	6462			
13-Nov	F	-	74	N	6471			Silver Bright
13-Nov	M	-	77	N	5783			
13-Nov	M	-	66	-	6472			Good Shape
14-Nov	F	2	74	N	6473			Fish on Fence Tag # 5783

Appendix H. Non-coho data, Black Creek fall fence, 2008.

Species	Sample Date	Sex	Condition	Length (cm)	CWT?	Tag	Tag Number	Scale	Scale Book
Chinook	6-Nov	F	2	86	N	Clear	-	-	-
Chum	20-Oct	F	1	65	N	Yellow	-	-	-
Chum	31-Oct	M	2	69	N	Yellow	289	-	-
Chum	31-Oct	M	3	74	N	Yellow	297	-	-
Chum	31-Oct	M	2	57	N	Yellow	-	-	-
Chum	1-Nov	F	2	70	N	Yellow	504	-	-
Chum	6-Nov	M	2	80	N	Clear	-	-	-
Chum	6-Nov	M	2	69	N	Clear	-	-	-
Chum	10-Nov	M	1	76	N	Clear	-	-	-
Chum	13-Nov	F	2	74	-	Clear	-	-	-
Trout	8-Oct	-	1	28	N	Yellow	-	-	-
Trout	31-Oct	-	2	40	-	Yellow	-	-	-
Trout	31-Oct	J	2	40	-	Yellow	-	-	-
Trout	1-Nov	M	1	32	N	Yellow	-	-	-
Trout	1-Nov	M	2	30	N	Yellow	-	-	-
Trout	7-Nov								